State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

API # 4701705883

Deviated Survey is attached

Farm Name I.L. Morris

Location Elevation 1075

District Unknown

Latitude 14890 Degree 39 Minutes 15 Seconds 0

Longitude 11140 West Degree 80 Minutes 45 Seconds 0

Company EQT Plaza
Suite 1700
625 Liberty Avenue
Pittsburgh, Pa 15222

Agent Cecil Ray

Inspector David Scrange

Permit Issued 10/27/2009

Well Work Commenced 1/9/2010

Well Work Completed 5/25/2011

Verbal Plugging

Rotary Rig X **Rotary Rig**

Total Depth 10,909.00

TVD 6490'

Type From
not Reported

Producing Formation marcellus

Gas: Initial Open Flow not Applicable

Final Open Flow 4896 mcfd

Static Rock Pressure 565 psi

Well Number 512437

QUAD Oxford

County Doddridge,WV
WV

Longitude 39.20911

Latitude -80.78930

Casing &Tubing Size	Used In Drilling	Left in Well	Cement Cubic FT
20	40.00	40.00	
13 3/8	946.00	946.00	956.00
9 5/8	2806.00	2,806.00	1,112.00
5 1/2	10881.00	10,881.00	10,428.49

RECEIVED
Office of Oil & Gas
JUN 16 2011
WV Department of
Environmental Protection

NOTE: On back of this form put the following
1) Details of Perforated intervals, fracturing or stimulating, physical change,etc.
2) The well log, a systematic detailed geologfical record of all formations including coal encountered in the well bore

For EQT Production Company

By Mike Butcher

Date 6/14/2011

Formation record

Formation Name	Top	Bottom	Thickness
SAND AND SHALE	0.00	1,709.00	1,709.00
BIG LIME	1,709.42	1,772.31	62.89
KEENER	1,772.31	1,798.60	26.29
BIG INJUN	1,798.60	2,005.55	206.95
WEIR	2,005.55	2,206.78	201.23
BEREA	2,206.78	2,219.35	12.57
GANTZ	2,219.35	2,299.39	80.04
50F	2,299.39	2,412.58	113.19
30F	2,412.58	2,456.03	43.45
GORDON	2,456.03	2,557.78	101.75
4TH	2,557.78	2,697.27	139.49
5TH	2,697.27	2,732.72	35.45
BAYARD	2,732.72	3,060.86	328.14
WARREN	3,060.86	3,134.03	73.17
SPEECHLEY	3,134.03	3,657.68	523.65
BALLTOWN A	3,657.68	3,813.18	155.50
BALLTOWN B	3,813.18	4,005.26	192.08
BRADFORD	4,005.26	4,265.94	260.68
RILEY	4,265.94	4,698.13	432.19
BENSON	4,698.13	4,948.52	250.39
ALEXANDER	4,948.52	6,093.01	1,144.49
SONYEA	6,093.01	6,243.93	150.92
MIDDLESEX	6,243.93	6,300.14	56.21
GENESSEE	6,300.14	6,374.27	74.13
GENESEO	6,374.27	6,415.43	41.16
TULLY	6,415.43	6,437.15	21.72
HAMILTON	6,437.15	6,450.87	13.72
MARCELLUS BLK SHALE	6,450.87	6,465.74	14.87
PURCELL	6,465.74	6,489.75	24.01
CHERRY VALLEY	6,489.75	6,513.76	24.01

Gas Tests

Depth	Gas	Comments
0.00	0	not Reported

were core samples taken? no

were cuttings caught during drilling? yes

were electrical, mechanical, or Geophysical logs run? no

Formations are from a nearby offset well and are not direct measurements taken from a well log.

Stage	Formation	Frac Type
1	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/10/2011	10505 - 10747		3,828.00	8,112.00	5 Min: 2382

Avg Rate	Max Press PSI	ISIP	Frac Gradient
86.00	9,294.00	2,784.00	0.86

10 Min: 2280
15 Min: 2174

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
111,073.00	10,553.00		2000

Stage	Formation	Frac Type
2	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/10/2011	10205 - 10447		4,820.00	7,893.00	5 Min: 2541

Avg Rate	Max Press PSI	ISIP	Frac Gradient
92.00	9,243.00	3,175.00	0.92

10 Min: 2410
15 Min: 2306

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
117,387.00	10,208.00		2000

Stage	Formation	Frac Type
3	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/11/2011	9905 - 10147		5,685.00	7,913.00	5 Min: 2584

Avg Rate	Max Press PSI	ISIP	Frac Gradient
91.00	8,311.00	3,109.00	0.91

10 Min: 2395
15 Min: 2319

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
109,987.00	9,769.00		2000

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type
4	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/11/2011	9605 - 9847		5,109.00	7,329.00	5 Min: 2498

Avg Rate	Max Press PSI	ISIP	Frac Gradient	10 Min: 2428
93.00	8,547.00	2,924.00	0.88	15 Min: 2379

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
107,399.00	9,947.00		2000

Stage	Formation	Frac Type
5	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/12/2011	9305 - 9547		4,849.00	7,775.00	5 Min: 2646

Avg Rate	Max Press PSI	ISIP	Frac Gradient	10 Min: 2531
99.00	8,737.00	3,376.00	0.95	15 Min: 2446

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
114,848.00	9,823.00		2000

Stage	Formation	Frac Type
6	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/12/2011	9005 - 9247		4,979.00	7,521.00	5 Min: 2628

Avg Rate	Max Press PSI	ISIP	Frac Gradient	10 Min: 2532
99.00	8,425.00	3,282.00	0.94	15 Min: 2473

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
114,672.00	9,613.00		2000

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type
7	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/13/2011	8705 - 8947		5,318.00	7,488.00	5 Min: 2816

Avg Rate	Max Press PSI	ISIP	Frac Gradient	
98.00	8,030.00	3,937.00	1.04	10 Min: 2653 15 Min: 2563

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
115,440.00	10,697.00		2000

Stage	Formation	Frac Type
8	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/13/2011	8405 - 8647		5,484.00	7,765.00	5 Min: 2900

Avg Rate	Max Press PSI	ISIP	Frac Gradient	
102.00	8,127.00	4,047.00	1.06	10 Min: 2695 15 Min: 2609

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
112,116.00	9,961.00		2000

Stage	Formation	Frac Type
9	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/14/2011	8105 - 8347		5,304.00	7,112.00	5 Min: 2891

Avg Rate	Max Press PSI	ISIP	Frac Gradient	
101.00	7,925.00	3,885.00	1.03	10 Min: 2747 15 Min: 2657

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
111,521.00	10,049.00		2000

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type
10	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/14/2011	7805 - 8047		5,190.00	7,322.00	5 Min: 2965
					10 Min: 2859
					15 Min: 2773

Avg Rate	Max Press PSI	ISIP	Frac Gradient
99.00	8,543.00	4,077.00	1.06

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
118,619.00	9,076.00		2000

Stage	Formation	Frac Type
11	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/15/2011	7505 - 7747		6,182.00	7,480.00	5 Min: 3085
					10 Min: 2977
					15 Min: 2886

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.00	8,152.00	3,950.00	1.04

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
104,952.00	10,102.00		2000

Stage	Formation	Frac Type
12	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/15/2011	7205 - 7447		4,600.00	7,672.00	5 Min: 3191
					10 Min: 3037
					15 Min: 2971

Avg Rate	Max Press PSI	ISIP	Frac Gradient
85.00	8,504.00	3,802.00	1.02

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
96,516.00	10,540.00		2000

Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

API # 4701705914

Deviation survey is attached

Farm Name John R. Davies
Location Elevation 1180
District Unknown

Well Number 512681
QUAD Grant Town
County Doddridge,WV
WV

Latitude 7070 Degree 39 Minutes 16 Seconds 25

Longitude 6070 West Degree -80 Minutes 46 Seconds 11

Company EQT Plaza
Suite 1700
625 Liberty Avenue
Pittsburgh, Pa 15222

Longitude 39.27224
Latitude -80.77146

Agent Cecil Ray
Inspector David Scrange
Permit Issued 12/18/2009

Casing &Tubing Size	Used In Drilling	Left in Well	Cement Cubic FT
20	42.00	42.00	
13 3/8	1146.00	1,146.00	979.80
9 5/8	3205.00	3,205.00	926.30
5 1/2	11702.20	11,702.20	2,370.40

Well Work Commenced 7/7/2010
Well Work Completed 6/1/2011
Verbal Plugging

Rotary Rig X **Rotary Rig**

Total Depth 11,708.00
TVD 6677'

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WV DEP
JUL - 1 2011
Office of Oil and Gas

Type	From
not Reported	

Producing Formation Marcellus

Gas: Initial Open Flow n/A

Final Open Flow 7296 mcfd

Static Rock Pressure 2768 psi

NOTE: On back of this form put the following
1) Details of Perforated intervals, fracturing or stimulating, physical change,etc.
2) The well log, a systematic detailed geologfical record of all formations including coal encountered in the well bore

For EQT Production Company
By Mike Butcher
Date 6/27/2011

Formation record

Formation Name	Top	Bottom	Thickness
Sand and Shale	0.00	220.00	220.00
Red Rock	220.00	230.00	10.00
Sand and Shale	230.00	250.00	20.00
Red Rock	250.00	265.00	15.00
Sand and Shale	265.00	280.00	15.00
Red Rock	280.00	290.00	10.00
Sand and Shale	290.00	330.00	40.00
Red Rock	330.00	350.00	20.00
Sand and Shale	350.00	403.00	53.00
Coal	403.00	406.00	3.00
Sand and Shale	406.00	675.00	269.00
Coal	675.00	677.00	2.00
Sand and Shale	677.00	3273.00	2,597.00
Warren	3,273.95	3,342.15	68.20
Speechley	3,342.15	4,028.04	685.89
Riley	4,492.77	4,930.22	437.45
Benson	4,930.22	5,186.67	256.45
Alexander	5,186.67	6,311.15	1,124.48
Sonyea	6,311.15	6,459.81	148.66
Middlesex	6,459.81	6,516.33	56.52
Genesee	6,516.33	6,591.08	74.75
Geneseo	6,591.08	6,631.28	40.20
Tully	6,631.28	6,673.44	42.16
Hamilton	6,673.44	6,692.44	19.00
Marcellus	6,692.44	6,738.86	46.42
Purcell	6,692.44		

Gas Tests

Depth	Gas	Comments
0.00	0	not Reported

were core samples taken? no

were cuttings caught during drilling? yes

were electrical, mechanical, or geophysical logs run? no

Formations are from a nearby offset well and are not direct measurements from a well log.

Treatment Summary

Stage	Formation	Frac Type
1	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/11/2011	11424 - 11676		5,576.00	7,518.00	5 Min: 3588

Avg Rate	Max Press PSI	ISIP	Frac Gradient
99.00	8,742.00	4,458.00	1.1

10 Min: 3378
15 Min: 3121

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
104,640.00	10,705.00		2000 gal

Stage	Formation	Frac Type
2	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/11/2011	11124 - 11310		5,940.00	7,536.00	5 Min: 4303

Avg Rate	Max Press PSI	ISIP	Frac Gradient
99.90	8,939.00	5,299.00	1.22

10 Min: 3946
15 Min: 3605

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
96,800.00	10,431.00		2000

Stage	Formation	Frac Type
3	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/12/2011	10824 - 11066		5,214.00	7,333.00	5 Min: 4442

Avg Rate	Max Press PSI	ISIP	Frac Gradient
99.10	8,977.00	5,120.00	1.19

10 Min: 4018
15 Min: 3730

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
105,400.00	10,391.00		2000

Stage	Formation	Frac Type
4	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/13/2011	10524 - 10766		6,055.00	7,684.00	5 Min: 3870

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.20	8,525.00	5,057.00	1.19

10 Min: 3509
15 Min: 3318

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
109,500.00	10,033.00		2000

Stage	Formation	Frac Type
5	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/13/2011	10224 - 10466		6,033.00	7,586.00	5 Min: 4024

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.50	8,402.00	4,570.00	1.11

10 Min: 3719
15 Min: 3477

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
101,800.00	10,303.00		2000

Stage	Formation	Frac Type
6	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/14/2011	9924 - 10166		5,357.00	7,673.00	5 Min: 3980

Avg Rate	Max Press PSI	ISIP	Frac Gradient
99.80	9,379.00	5,092.00	1.19

10 Min: 3586
15 Min: 3349

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
100,700.00	10,024.00		2000

Stage	Formation	Frac Type
7	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/14/2011	9624 - 9866		6,056.00	7,856.00	5 Min: 4515

Avg Rate	Max Press PSI	ISIP	Frac Gradient
96.20	8,381.00	4,889.00	1.16

10 Min: 4215
15 Min: 3868

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
106,210.00	9,720.00		2000

Stage	Formation	Frac Type
8	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/14/2011	9324 - 9566		5,827.00	7,853.00	5 Min: 4461

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.20	8,822.00	4,794.00	1.15

10 Min: 4141
15 Min: 3941

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
110,660.00	9,765.00		2000

Stage	Formation	Frac Type
9	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/14/2011	9024 - 9266		5,296.00	7,834.00	5 Min: 4058

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.80	8,990.00	4,951.00	1.17

10 Min: 3744
15 Min: 3290

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
103,400.00	9,876.00		2000

Stage	Formation	Frac Type
10	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/14/2011	8724 - 8966		5,376.00	7,919.00	5 Min: 4146

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.30	9,328.00	5,033.00	1.18

10 Min: 3592
15 Min: 3238

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
108,100.00	9,917.00		2000

Stage	Formation	Frac Type
11	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/15/2011	8424 - 8666		6,257.00	8,071.00	5 Min: 4074

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.20	9,327.00	4,863.00	1.16

10 Min: 3543
15 Min: 3241

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
105,670.00	9,858.00		2000

Stage	Formation	Frac Type
12	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/15/2011	8124 - 8366		6,187.00	7,511.00	5 Min: 3058

Avg Rate	Max Press PSI	ISIP	Frac Gradient
99.30	8,191.00	4,253.00	1.06

10 Min: 2717
15 Min: 2551

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
106,970.00	9,437.00		2000

Stage	Formation	Frac Type
13	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/15/2011	7824 - 8066		6,061.00	7,936.00	5 Min: 3069
					10 Min: 2773
					15 Min: 2649

Avg Rate	Max Press PSI	ISIP	Frac Gradient
99.60	8,596.00	4,445.00	1.09

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
111,000.00	9,659.00		2000

Stage	Formation	Frac Type
14	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/15/2011	7524 - 7766		5,850.00	7,094.00	5 Min: 4303
					10 Min: 3825
					15 Min: 3636

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.00	7,918.00	4,946.00	1.09

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
106,800.00	9,620.00		2000

Stage	Formation	Frac Type
15	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/16/2011	7224 - 7464		6,171.00	7,510.00	5 Min: 3264
					10 Min: 2977
					15 Min: 2820

Avg Rate	Max Press PSI	ISIP	Frac Gradient
101.00	8,328.00	4,421.00	1.09

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
104,900.00	9,564.00		2000

Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Deviated survey is attached

Farm Name John R. Davies

Location Elevation 1180

District Unknown

Well Number 512685

QUAD West Union

County Doddridge,WV

WV

Latitude 7070 Degree 39 Minutes 17 Seconds 30

Longitude 6070 West Degree 80 Minutes 45 Seconds 0

Company EQT Plaza
Suite 1700
625 Liberty Avenue
Pittsburgh, Pa 15222

Longitude 39.27224

Latitude -80.77146

Agent Cecil Ray

Inspector David Scrange

Permit Issued 12/17/2009

Well Work Commenced 6/29/2010

Well Work Completed 6/2/2011

Verbal Plugging

Rotary Rig X **Rotary Rig**

Total Depth 11,101.00

TVD 6693'

Casing &Tubing Size	Used In Drilling	Left in Well	Cement Cubic FT
20	40.00	40.00	10.86
13 3/8	1180.00	1,180.00	937.20
9 5/8	3227.00	3,227.00	1,192.80
5 1/2	11101.00	11,101.00	1,626.84

Type From

not Reported

Producing Formation marcellus

Gas: Initial Open Flow n/A

Final Open Flow 4416 mcfd

Static Rock Pressure 2864 psi

RECEIVED
WV DEP
JUL - 5 2011
Office of
Oil and Gas

NOTE: On back of this form put the following
1) Details of Perforated intervals, fracturing or stimulating, physical change,etc.
2) The well log, a systematic detailed geologfical record of all formations including coal encountered in the well bore

For EQT Production Company

By Mike Butcher

Date 6/29/2011

Formation record

Formation Name	Top	Bottom	Thickness
Sand and Shale	0.00	220.00	220.00
Red Rock	220.00	230.00	10.00
Sand and Shale	230.00	250.00	20.00
Red Rock	250.00	265.00	15.00
Sand and Shale	265.00	280.00	15.00
Red Rock	280.00	290.00	10.00
Sand and Shale	290.00	403.00	113.00
Coal	403.00	406.00	3.00
Sand and Shale	406.00	675.00	269.00
Coal	675.00	677.00	2.00
Sand and Shale	677.00	3,273.00	2,596.00
Warren	3,273.95	3,342.15	68.20
Speechley	3,342.15	4,028.04	685.89
Balltown A	4,028.04	4,220.94	192.90
Riley	4,492.77	4,930.22	437.45
Benson	4,930.22	5,186.67	256.45
Alexander	5,186.67	6,311.15	1,124.48
Sonyea	6,311.15	6,459.81	148.66
Middlesex	6,459.81	6,516.33	56.52
Genesee	6,516.33	6,591.08	74.75
Geneseo	6,591.08	6,631.28	40.20
Tully	6,631.28	6,656.10	24.82
Hamilton	6,656.10	6,673.44	17.34
Marcellus	6,673.44	6,692.44	19.00
Purcell	6,692.44		

Gas Tests

Depth	Gas	Comments
0.00	0	not Reported

were core samples taken? no

were cuttings caught during drilling? yes

were electrical, mechanical, or Geophysical logs run? no

Stage	Formation	Frac Type
1	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/12/2011	10958 - 11080		5,430.00	8,013.00	5 Min: 3644

Avg Rate	Max Press PSI	ISIP	Frac Gradient	
98.90	8,682.00	5,475.00	1.25	10 Min: 2972 15 Min: 2695

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
110,420.00	4,901.00		2000

Stage	Formation	Frac Type
2	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/12/2011	10808 - 10930		5,740.00	8,005.00	5 Min: 4530

Avg Rate	Max Press PSI	ISIP	Frac Gradient	
92.60	8,764.00	5,725.00	1.29	10 Min: 4097 15 Min: 3800

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
100,000.00	5,574.00		2000

Stage	Formation	Frac Type
3	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/12/2011	10658 - 10780		5,215.00	7,633.00	5 Min: 4110

Avg Rate	Max Press PSI	ISIP	Frac Gradient	
98.70	9,291.00	5,364.00	1.23	10 Min: 3576 15 Min: 3259

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
101,000.00	5,553.00		2000

Stage	Formation	Frac Type
4	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/12/2011	10508 - 10630		5,159.00	7,717.00	5 Min: 4171
					10 Min: 3584
					15 Min: 3243

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.20	8,875.00	5,497.00	1.24

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
101,800.00	5,435.00		2000

Stage	Formation	Frac Type
5	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/13/2011	10358 - 10480		5,476.00	7,777.00	5 Min: 3845
					10 Min: 3339
					15 Min: 3044

Avg Rate	Max Press PSI	ISIP	Frac Gradient
98.80	8,675.00	5,091.00	1.19

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
93,380.00	5,156.00		2000

Stage	Formation	Frac Type
6	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/13/2011	10208 - 10330		5,100.00	8,180.00	5 Min: 3906
					10 Min: 3245
					15 Min: 2930

Avg Rate	Max Press PSI	ISIP	Frac Gradient
97.80	8,818.00	5,510.00	1.26

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
98,140.00	5,102.00		2000

Stage	Formation	Frac Type
7	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/16/2011	10058 - 10180		5,445.00	7,726.00	5 Min: 3634

Avg Rate	Max Press PSI	ISIP	Frac Gradient
98.50	8,227.00	4,926.00	1.17

10 Min: 3082
15 Min: 2792

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
101,330.00	5,311.00		2000

Stage	Formation	Frac Type
8	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/16/2011	9908 - 10030		5,207.00	7,799.00	5 Min: 4020

Avg Rate	Max Press PSI	ISIP	Frac Gradient
95.40	8,755.00	5,302.00	1.22

10 Min: 3302
15 Min: 2952

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
98,960.00	4,915.00		2000

Stage	Formation	Frac Type
9	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/16/2011	9758 - 9880		5,444.00	7,827.00	5 Min: 3807

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.00	8,697.00	4,921.00	1.16

10 Min: 3183
15 Min: 2840

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
101,996.00	5,090.00		2000

Stage	Formation	Frac Type
10	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/17/2011	9608 - 9728		5,216.00	8,354.00	5 Min: 3673
					10 Min: 3173
					15 Min: 2886

Avg Rate	Max Press PSI	ISIP	Frac Gradient
98.50	9,262.00	4,931.00	1.17

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
99,760.00	5,136.00		2000

Stage	Formation	Frac Type
11	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/17/2011	9458 - 9578		5,495.00	7,773.00	5 Min: 3765
					10 Min: 3169
					15 Min: 2896

Avg Rate	Max Press PSI	ISIP	Frac Gradient
98.35	8,965.00	5,145.00	1.2

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
102,781.00	5,020.00		2000

Stage	Formation	Frac Type
12	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/17/2011	9308 - 9428		5,211.00	7,927.00	5 Min: 3462
					10 Min: 2981
					15 Min: 2768

Avg Rate	Max Press PSI	ISIP	Frac Gradient
97.60	8,422.00	5,385.00	1.24

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
100,500.00	5,047.00		2000

Stage	Formation	Frac Type
13	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/17/2011	9158 - 9280		5,180.00	7,758.00	5 Min: 3506
					10 Min: 3111
					15 Min: 2871

Avg Rate	Max Press PSI	ISIP	Frac Gradient
97.10	8,630.00	4,861.00	1.16

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
98,010.00	5,094.00		2000

Stage	Formation	Frac Type
14	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/17/2011	9008 - 9130		5,157.00	7,825.00	5 Min: 3804
					10 Min: 3273
					15 Min: 2985

Avg Rate	Max Press PSI	ISIP	Frac Gradient
99.00	8,764.00	5,378.00	1.23

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
97,470.00	4,945.00		2000

Stage	Formation	Frac Type
15	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/17/2011	8858 - 8980		5,028.00	7,864.00	5 Min: 3649
					10 Min: 3188
					15 Min: 2948

Avg Rate	Max Press PSI	ISIP	Frac Gradient
101.50	9,170.00	5,048.00	1.18

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
101,527.00	5,164.00		2000

Stage	Formation	Frac Type
16	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/18/2011	8708 - 8830		5,308.00	7,234.00	5 Min: 4114

Avg Rate	Max Press PSI	ISIP	Frac Gradient
95.00	8,792.00	5,356.00	1.23

10 Min: 3486
15 Min: 3159

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
100,924.00	5,122.00		2000

Stage	Formation	Frac Type
17	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/18/2011	8708 - 8830		4,979.00	7,504.00	5 Min: 3938

Avg Rate	Max Press PSI	ISIP	Frac Gradient
99.60	7,997.00	5,340.00	1.23

10 Min: 3411
15 Min: 3134

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
100,800.00	6,042.00		2000

Stage	Formation	Frac Type
18	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/18/2011	8408 - 8530		4,963.00	7,622.00	5 Min: 4482

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.20	8,358.00	5,623.00	1.27

10 Min: 3876
15 Min: 3540

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
100,960.00	4,875.00		2000

Stage	Formation	Frac Type
19	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/18/2011	8258 - 8380		4,907.00	6,988.00	5 Min: 3508
					10 Min: 3094
					15 Min: 2860

Avg Rate	Max Press PSI	ISIP	Frac Gradient
98.90	7,396.00	5,228.00	1.21

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
102,000.00	4,892.00		2000

Stage	Formation	Frac Type
20	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/18/2011	8108 - 8230		5,228.00	7,049.00	5 Min: 4638
					10 Min: 4290
					15 Min: 4039

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.10	8,450.00	5,574.00	1.26

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
101,010.00	4,960.00		2000

Stage	Formation	Frac Type
21	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/18/2011	7958 - 8080		5,417.00	7,795.00	5 Min: 4190
					10 Min: 3722
					15 Min: 3390

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.30	8,757.00	5,061.00	1.19

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
100,945.00	5,081.00		2000

Stage	Formation	Frac Type
22	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/18/2011	7808 - 7930		5,095.00	7,548.00	5 Min: 4397
					10 Min: 3968
					15 Min: 3694

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.70	8,642.00	5,388.00	1.23

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
102,424.00	5,078.00		2000

Stage	Formation	Frac Type
23	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/19/2011	7658 - 7780		6,180.00	7,715.00	5 Min: 3634
					10 Min: 3101
					15 Min: 2925

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.60	9,194.00	4,405.00	1.09

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
99,874.00	5,264.00		2000

Stage	Formation	Frac Type
24	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/19/2011	7508 - 7630		6,323.00	8,103.00	5 Min: 3507
					10 Min: 3148
					15 Min: 2994

Avg Rate	Max Press PSI	ISIP	Frac Gradient
95.60	9,043.00	5,136.00	1.2

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
105,300.00	4,760.00		2000

Stage	Formation	Frac Type			
25	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/19/2011	7358 - 7480		6,752.00	7,863.00	5 Min: 2976
					10 Min: 2699
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 2557
99.70	8,664.00	4,217.00	1.07		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
90,620.00	4,718.00		2000		

4701705917

Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Deviated survey is attached

Farm Name John R. Davies

Location Elevation 1180

District Unknown

Latitude 7070 Degree 39 Minutes 17 Seconds 30

Longitude 6070 West Degree 80 Minutes 45 Seconds 0

Well Number 512680

QUAD West Union

County Doddridge,WV

WV

Company EQT Plaza
Suite 1700
625 Liberty Avenue
Pittsburgh, Pa 15222

Longitude 39.27224

Latitude -80.77146

Agent Cecil Ray

Inspector David Scrange

Permit Issued 12/17/2009

Well Work Commenced 6/15/2010

Well Work Completed 6/5/2011

Verbal Plugging

Rotary Rig X **Rotary Rig**

Total Depth 10,676.00

TVD 6776'

Casing &Tubing Size	Used In Drilling	Left in Well	Cement Cubic FT
20	42.00	42.00	10.86
13 3/8	1175.00	1,175.00	951.40
9 5/8	3215.00	3,215.00	1,313.00
5 1/2	10675.71	10,675.71	1,613.24

Type	From		
Coal	403.00 ft. -	406.00	ft.
Coal	675.00 ft. -	677.00	ft.

Type	From
not Reported	

Producing Formation Marcellus

Gas: Initial Open Flow n/A

Final Open Flow 6240 mcfd

Static Rock Pressure 2688 psi

RECEIVED
WV DEP
JUL - 5 2011
Office of
Oil and Gas

NOTE: On back of this form put the following
1) Details of Perforated intervals, fracturing or stimulating, physical change,etc.
2) The well log, a systematic detailed geologfical record of all formations including coal encountered in the well bore

For EQT Production Company

By Mike Butcher

Date 6/29/2011

Formation record

Formation Name	Top	Bottom	Thickness
Sand and Shale	0.00	220.00	220.00
Red Rock	220.00	230.00	10.00
Sand and Shale	230.00	250.00	20.00
Red Rock	250.00	265.00	15.00
Sand and Shale	265.00	280.00	15.00
Red Rock	280.00	290.00	10.00
Sand and Shale	290.00	330.00	40.00
Red Rock	330.00	350.00	20.00
Sand and Shale	350.00	403.00	53.00
Coal	403.00	406.00	3.00
Sand and Shale	406.00	675.00	269.00
Coal	675.00	677.00	2.00
Sand and Shale	677.00	3,273.00	2,596.00
Warren	3,273.95	3,342.15	68.20
Speechley	3,342.15	4,028.04	685.89
Balltown A	4,028.04	4,220.94	192.90
Riley	4,492.77	4,930.22	437.45
Benson	4,930.22	5,186.67	256.45
Alexander	5,186.67	6,311.15	1,124.48
Sonyea	6,311.15	6,459.81	148.66
Middlesex	6,459.81	6,516.33	56.52
Genesee	6,516.33	6,591.08	74.75
Geneseo	6,591.08	6,631.28	40.20
Tully	6,631.28	6,656.10	24.82
Hamilton	6,656.10	6,673.44	17.34
Marcellus	6,673.44	6,692.44	19.00
Purcell	6,692.44		

Gas Tests

Depth	Gas	Comments
3,232.00	474	8/10 thru 4"

were core samples taken? no

were cuttings caught during drilling? yes

were electrical, mechanical, or geophysical logs run? no

Stage	Formation	Frac Type
1	MARCELLUS	Water

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/8/2011	10413 - 10655		5,460.00	8,057.00	5 Min: 4026
					10 Min: 3528
					15 Min: 3202

Avg Rate	Max Press PSI	ISIP	Frac Gradient
86.00	9,250.00	4,664.00	1.12

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
200,180.00	12,670.00		2000

Stage	Formation	Frac Type
2	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/8/2011	10113 - 10355		6,199.00	7,970.00	5 Min: 3408
					10 Min: 3073
					15 Min: 2906

Avg Rate	Max Press PSI	ISIP	Frac Gradient
91.30	9,169.00	4,829.00	1.15

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
200,130.00	9,818.00		2000

Stage	Formation	Frac Type
3	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/9/2011	9813 - 10055		5,648.00	7,200.00	5 Min: 4339
					10 Min: 3828
					15 Min: 3493

Avg Rate	Max Press PSI	ISIP	Frac Gradient
101.90	8,326.00	5,379.00	1.23

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
200,000.00	9,901.00		2000

Stage	Formation	Frac Type
4	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/9/2011	9513 - 9755		5,668.00	7,131.00	5 Min: 4235
					10 Min: 3781
					15 Min: 3486

Avg Rate	Max Press PSI	ISIP	Frac Gradient
99.98	8,106.00	4,811.00	1.14

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
199,514.00	10,251.00		0000

Stage	Formation	Frac Type
5	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/9/2011	9213 - 9455		5,513.00	7,611.00	5 Min: 3734
					10 Min: 3447
					15 Min: 3257

Avg Rate	Max Press PSI	ISIP	Frac Gradient
99.73	8,578.00	5,025.00	1.17

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
203,355.00	9,834.00		0000

Stage	Formation	Frac Type
6	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/9/2011	8913 - 9155		5,807.00	7,486.00	5 Min: 4654
					10 Min: 4418
					15 Min: 4238

Avg Rate	Max Press PSI	ISIP	Frac Gradient
99.00	9,352.00	5,016.00	1.18

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
200,030.00	9,635.00		0000

Stage	Formation	Frac Type
7	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/10/2011	8613 - 8855		5,312.00	6,840.00	5 Min: 4490
					10 Min: 4000
					15 Min: 3720

Avg Rate	Max Press PSI	ISIP	Frac Gradient
98.00	7,849.00	6,317.00	1.36

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
199,620.00	9,844.00		2000

Stage	Formation	Frac Type
8	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/10/2011	8313 - 8557		5,045.00	6,723.00	5 Min: 4528
					10 Min: 4026
					15 Min: 3712

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.00	7,517.00	4,812.00	1.14

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
200,600.00	10,147.00		2000

Stage	Formation	Frac Type
9	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/10/2011	8013 - 8257		5,907.00	6,643.00	5 Min: 4505
					10 Min: 4180
					15 Min: 3954

Avg Rate	Max Press PSI	ISIP	Frac Gradient
90.87	7,526.00	5,242.00	1.14

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
199,198.00	9,892.00		2000

Stage	Formation	Frac Type			
10	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/10/2011	7713 - 7955		5,110.00	6,652.00	5 Min: 4742
					10 Min: 4591
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4456
94.87	7,155.00	4,929.00	1.16		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
198,600.00	9,868.00		2000		

Stage	Formation	Frac Type			
11	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/11/2011	7413 - 7655		5,838.00	6,612.00	5 Min: 4534
					10 Min: 4425
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4308
90.58	7,986.00	4,791.00	1.15		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
199,670.00	9,868.00		2000		

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

API # 4701705925

Deviated survey is attached

Farm Name I. L. Morris

Location Elevation 1140

District Unknown

Latitude 6650 Degree 39 Minutes 12 Seconds 30

Longitude 7380 West Degree 80 Minutes 47 Seconds 30

Company EQT Plaza
Suite 1700
625 Liberty Avenue
Pittsburgh, Pa 15222

Agent Cecil Ray

Inspector David Scrange

Permit Issued 11/6/2009

Well Work Commenced 5/31/2010

Well Work Completed 5/11/2011

Verbal Plugging

Rotary Rig X **Rotary Rig**

Total Depth 11,432.00

TVD 6562'

Well Number 512499

QUAD Oxford

County Doddridge,WV

WV

Longitude 39.18996

Latitude -80.81763

Casing &Tubing Size	Used In Drilling	Left in Well	Cement Cubic FT
20	42.00	42.00	
13 3/8	1120.00	1,120.00	937.20
9 5/8	2988.00	2,988.00	1,116.42
5 1/2	11428.00	11,428.00	1,573.60

Type	From
not Reported	

Type	From		
Coal	404.00 ft. -	410.00	ft.
Coal	530.00 ft. -	532.00	ft.
Coal	543.00 ft. -	544.00	ft.

Producing Formation marcellus

Gas: Initial Open Flow not Applicable

Final Open Flow 11785 mcfd

Static Rock Pressure 1455 psi

RECEIVED
Office of Oil & Gas
JUN 16 2011
WV Department of
Environmental Protection

NOTE: On back of this form put the following
1) Details of Perforated intervals, fracturing or stimulating, physical change,etc.
2) The well log, a systematic detailed geologfical record of all formations including coal encountered in the well bore

For EQT Production Company

By Mike Butcher

Date 6/14/2011

Formation record

on following page

Gas Tests

Depth	Gas	Comments
1,160.00	0	Odor
3,045.00	0	60mcf
5,350.00	0	Odor

Formation Name	Top	Bottom	Thickness
Sand	0.00	42.00	42.00
Sandstone	42.00	98.00	56.00
Red Rock	98.00	120.00	22.00
Sandstone and Shale	120.00	290.00	170.00
Red Rock	290.00	320.00	30.00
Sandstone	320.00	404.00	84.00
Coal	404.00	410.00	6.00
Sandstone	410.00	430.00	20.00
Red Rock	430.00	485.00	55.00
Sandstone	485.00	530.00	45.00
Coal	530.00	532.00	2.00
Sand and Shale	532.00	543.00	11.00
Coal	543.00	544.00	1.00
Sandstone	544.00	690.00	146.00
Red Rock	690.00	760.00	70.00
Sandstone	760.00	855.00	95.00
Sand and Shale	855.00	1,679.00	824.00
MAXTON	1,679.71	1,858.64	178.93
BIG LIME	1,858.64	1,919.81	61.17
KEENER	1,919.81	1,951.16	31.35
BIG INJUN	1,951.16	2,154.56	203.40
WEIR	2,154.56	2,348.78	194.22
BEREA	2,348.78	2,360.25	11.47
GANTZ	2,360.25	2,429.07	68.82
50F	2,429.07	2,564.60	135.53
30F	2,564.60	2,617.54	52.94
GORDON	2,617.54	2,720.36	102.82
4TH	2,720.36	2,854.73	134.37
5TH	2,854.73	2,896.98	42.25
BAYARD	2,896.98	3,209.78	312.80
WARREN	3,209.78	3,284.71	74.93
SPEECHLEY	3,284.71	3,817.68	532.97
BALLTOWN A	3,817.68	3,959.14	141.46
BALLTOWN B	3,959.14	4,154.89	195.75
BRADFORD	4,154.89	4,398.81	243.92
RILEY	4,398.81	4,819.37	420.56
BENSON	4,819.37	5,064.83	245.46
ALEXANDER	5,064.83	6,189.63	1,124.80
SONYEA	6,189.63	6,337.98	148.35
MIDDLESEX	6,337.98	6,389.22	51.24
GENESSEE	6,389.22	6,464.92	75.70
GENESEO	6,464.92	6,503.91	38.99
TULLY	6,503.91	6,523.79	19.88
HAMILTON	6,523.79	6,532.21	8.42
MARCELLUS BLK SHALE	6,532.21	6,546.73	14.52
PURCELL	6,546.73	6,569.94	23.21
CHERRY VALLEY	6,569.94	6,590.50	20.56

Formations from Maxton to Cherry Valley are from a nearby offset well and are not direct measurements from a well log.

Were core samples taken? no

Were cuttings caught during drilling? yes

Were electrical, mechanical, or Geophysical logs run? no

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type
1	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/17/2011	11083 - 11325		6,162.00	7,586.00	5 Min: 2973
					10 Min: 2568
					15 Min: 2368

Avg Rate	Max Press PSI	ISIP	Frac Gradient
96.00	8,654.00	4,245.00	1.08

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
203,500.00	9,479.00		2000

Stage	Formation	Frac Type
2	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/18/2011	10783 - 11025		5,963.00	7,080.00	5 Min: 3089
					10 Min: 2728
					15 Min: 2567

Avg Rate	Max Press PSI	ISIP	Frac Gradient
95.00	8,756.00	4,774.00	1.16

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
203,800.00	10,203.00		2000

Stage	Formation	Frac Type
3	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/18/2011	10483 - 10725		6,399.00	8,116.00	5 Min: 3429
					10 Min: 3000
					15 Min: 2796

Avg Rate	Max Press PSI	ISIP	Frac Gradient
93.00	9,287.00	5,148.00	1.22

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
197,925.00	11,124.00		2000

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type
4	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/19/2011	10183 - 10425		6,050.00	7,162.00	5 Min: 3229
					10 Min: 2993
					15 Min: 2894

Avg Rate	Max Press PSI	ISIP	Frac Gradient
99.00	8,288.00	4,565.00	1.13

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
204,400.00	10,344.00		2000

Stage	Formation	Frac Type
5	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/19/2011	9883 - 10125		5,737.00	7,294.00	5 Min: 3682
					10 Min: 3232
					15 Min: 3033

Avg Rate	Max Press PSI	ISIP	Frac Gradient
95.00	8,697.00	4,696.00	1.15

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
202,140.00	10,379.00		2000

Stage	Formation	Frac Type
6	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/20/2011	9583 - 9825		5,964.00	7,113.00	5 Min: 3316
					10 Min: 2927
					15 Min: 2765

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.00	7,478.00	4,347.00	1.09

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
200,167.00	9,899.00		2000

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type
7	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/20/2011	9283 - 9525		5,610.00	7,277.00	5 Min: 3099
					10 Min: 2848
					15 Min: 2729

Avg Rate	Max Press PSI	ISIP	Frac Gradient
97.00	7,988.00	3,858.00	1.02

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
202,277.00	10,128.00		2000

Stage	Formation	Frac Type
8	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/21/2011	8983 - 9223		5,877.00	7,348.00	5 Min: 4646
					10 Min: 4265
					15 Min: 3875

Avg Rate	Max Press PSI	ISIP	Frac Gradient
99.00	8,000.00	5,250.00	1.23

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
202,988.00	11,425.00		2000

Stage	Formation	Frac Type
9	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/21/2011	8683 - 8925		5,850.00	7,316.00	5 Min: 4481
					10 Min: 4252
					15 Min: 3962

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.00	7,733.00	4,854.00	1.17

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
203,077.00	10,192.00		2000

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type			
10	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/22/2011	8383 - 8625		6,008.00	6,858.00	5 Min: 4072
					10 Min: 3339
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 3009
92.00	7,198.00	5,121.00	1.21		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
202,667.00	11,034.00		2000		

Stage	Formation	Frac Type			
11	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/22/2011	8083 - 8325		5,800.00	7,082.00	5 Min: 4835
					10 Min: 4575
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 4355
87.00	7,953.00	5,509.00	1.27		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
203,888.00	12,478.00		2000		

Stage	Formation	Frac Type			
12	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/25/2011	7783 - 8025		6,689.00	7,268.00	5 Min:
					10 Min:
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min:
90.00	8,769.00				
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
201,736.00	9,878.00				

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type
12A	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/28/2011	7680 - 7862		6,704.00	7,404.00	5 Min: 3092
					10 Min: 2792
Avg Rate	Max Press PSI	ISIP	Frac Gradient		15 Min: 2689
99.00	7,840.00	5,396.00	1.25		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
195,275.00	10,086.00		2000		

Stage	Formation	Frac Type
13	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/28/2011	7380 - 7622		5,780.00		5 Min:
					10 Min:
Avg Rate	Max Press PSI	ISIP	Frac Gradient		15 Min:
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
43,951.00	4,127.00				

Stage	Formation	Frac Type
13A	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/29/2011	7260 - 7440		6,157.00	7,088.00	5 Min: 2399
					10 Min: 2220
Avg Rate	Max Press PSI	ISIP	Frac Gradient		15 Min: 2130
100.00	8,925.00	4,698.00	1.15		
Sand Proppant	Water-bbl	SCF N2	Acid-Gal		
145,806.00	9,853.00		2000		

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WV Department of
Environmental Protection

WR-35
Rev. (8-10)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 6/15/11
API #: 47-033-05373

Farm name: ELEANOR T BARNHART REVOCABLE TRUST Operator Well No.: Windoes 2242H

LOCATION: Elevation: 1,330' Quadrangle: Brownton/Century

District: Elk County: Harrison
Latitude: 14,289' Feet South of 39 Deg. 10' Min. 00" Sec.
Longitude 7,179' Feet West of 80 Deg. 12' Min. 30" Sec.

Company:

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
XTO Energy, Inc., PO Box 1008, Jane Lew, WV 26378	20"	60'	60'	C.T.S.
Agent: Gary Beall	13 3/8"	253'	253'	C.T.S.
Inspector: Tim Bennett	9 5/8"	2,677'	2,677'	812 sks
Date Permit Issued: 2/24/10	5 1/2"	11,240'	11,240'	1510 sks
Date Well Work Commenced: 11/21/10				
Date Well Work Completed: 3/10/11				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft): 7,720'				
Total Measured Depth (ft): 11,240'				
Fresh Water Depth (ft.): 150'				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): None				
Void(s) encountered (N/Y) Depth(s) No				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 7,652' - 7,719' TVD
Gas: Initial open flow Show MCF/d Oil: Initial open flow ---------- Bbl/d
Final open flow Show MCF/d Final open flow ---------- Bbl/d
Time of open flow between initial and final tests ---------- Hours
Static rock Pressure ---------- psig (surface pressure) after ---------- Hours

Second producing formation ---------- Pay zone depth (ft) ----------
Gas: Initial open flow ---------- MCF/d Oil: Initial open flow ---------- Bbl/d
Final open flow ---------- MCF/d Final open flow ---------- Bbl/d
Time of open flow between initial and final tests ---------- Hours
Static rock Pressure ---------- psig (surface pressure) after ---------- Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Signature

6-17-11
Date

Were core samples taken? Yes_____ No X_____ Were cuttings caught during drilling? Yes X_____ No_____

Were Y____ Electrical, Y____ Mechanical, Y____ or Geophysical logs recorded on this well?
Y/N Y/N Y/N

NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Stg 1 Marcellus; 10,952'-11,214'; 72 shots; Slick water frac; Avg treating 7212 psi@78 bpm; 282,200#'s 100 mesh; 284,700#'s 40/70 mesh; 11,140 bbl water

Stg 2 Marcellus; 10,590'-10,852'; 72 shots; Slick water frac; Avg treating 7177 psi@77 bpm; 262,400#'s 100 mesh; 283,000#'s 40/70 mesh; 10,386 bbl water

Stg 3 Marcellus; 10,228'-10,490'; 72 shots; Slick water frac; Avg treating 6949 psi@81 bpm; 264,500#'s 100 mesh; 282,700#'s 40/70 mesh; 11,200 bbl water

Stg 4 Marcellus; 9,866'-10,128'; 72 shots; Slick water frac; Avg treating 6936 psi@80 bpm; 252,000#'s 100 mesh; 284,800#'s 40/70 mesh; 10,260 bbl water

Stg 5 Marcellus; 9,504'-9,766'; 72 shots; Slick water frac; Avg treating 7057 psi@81 bpm; 270,000#'s 100 mesh; 290,000#'s 40/70 mesh; 10,985 bbl water

Stg 6 Marcellus; 9,142'-9,404'; 72 shots; Slick water frac; Avg treating 6693 psi@80 bpm; 271,600#'s 100 mesh; 284,700#'s 40/70 mesh; 10,980 bbl water

Stg 7 Marcellus; 8,780'-9,042'; 72 shots; Slick water frac; Avg treating 6715 psi@80 bpm; 267,800#'s 100 mesh; 283,700#'s 40/70 mesh; 10,683 bbl water

Formations Encountered: Top Depth / Bottom Depth
Surface:

Sand - Grey	60' / 125'	
Red Shale	125' / 130'	
Sand - Grey	130' / 165'	Water @ 150'
Shale - Grey	165' / 175'	
Shale/Sand -Grey	175'/195'	
Shale - Grey	195'/756'	
Sand - White	756'/790'	
Sand/Shale - Grey	790'/1005'	
Shale - Grey	1005'/1375'	
Shale - Red	1375'/1500'	
Shale - Grey	1500'/2680'	
SH, Sltst, SS	2680'/2710'	
Sltst, SS - Brwn	2710/2800	
SS, Sltst, SH-Grey	2800/2980	

See additional pages

SLTST,SH	2980	3010
SS,SLTST,SH	3010	3070
SS,SLTST,	3070	3100
SLTST,SS,SH	3100	3190
SH,SLTST	3190	3430
SS,SLTST,SH	3430	3460
LS, SLTST,SS	3460	3490
SLTST,SS,SH	3490	3520
SS,SLTST	3520	3580
SS	3580	3670
SS,DOL,LS	3670	3730
SS,SLTST	3730	3760
SS,SLTST,SH	3760	3790
SS	3790	3820
SLTST,SS	3820	3850
SS,SLTST	3850	3910
SS	3910	3940
SS,SLTST	3940	4000
SLTST,SS,SH	4000	4060
SLTST,SH,SS	4060	4090
SH,SLTST	4090	4150
SLTST,SH,SS	4150	4270
SH, SLTST,SS	4270	4300
SH,SLTST	4300	4420
SS,SH,SLTST	4420	4450
SH,SLTST	4450	4480
SLTST,SH	4480	4510
SH,SS,SLTST	4510	4540
SLTST,SS,SH	4540	4580
SH,SLTST,SS	4580	4630
SH,SS	4630	4690
SH,SLTST	4690	4720
SH	4720	4840
SH,SLTST	4840	4900
SH,SS,SLTST	4900	4960
SS,SH,SLTST	4960	5020
SS,SH	5020	5080
SH,SLTST,SS	5080	5110
SS,SH,SLTST	5110	5140
SLTST,SH, SS	5140	5200
SS,SH,SLTST	5200	5230
SH,SLTST,SS	5230	5260
SS,SH,SLTST	5260	5290
SLTST,SH,SS	5290	5350
SS,SLTST,SH	5350	5360
SH,SLTST	5360	5440
SH,SLTST,SS	5440	5530
SH,SLTST	5530	5590
SH,SLTST,SS	5590	5620
SH,SS,SLTST	5620	5680
SS,SH,SLTST	5680	5720
SLTST,SH,SS	5720	5780
SH,SLTST	5780	5800
SH,SLTST,SS	5800	6040

SS,SLTST,SH	6040	6100
SLTST,SH,SS	6100	6160
SH,SLTST	6160	6250
SLTST,SH	6250	6280
SH, SLTST	6280	6340
SH	6340	6400
SH, SLTST	6400	6580
SH	6580	8100
LS	8100	8200
SH	8200	11240

Burkett 7,351' / 7,432' TVD
7,896' / 8,133' MD
Tully 7,432' / 7,468' TVD
8,133' / 8,230' MD
Hamiltion 7,468' / 7,599' TVD
8,230' / 8,570' MD
Marcellus 7,599' / 7,720' TVD
8,570' / 11,240' MD

RECEIVED Office of Oil & Gas JUN 21 2011 WV Department of Environmental Protection

WR-35
Rev (8-10)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 6/15/11
API #: 47-033-05406

Farm name: ELEANOR T BARNHART REVOCABLE TRUST Operator Well No.: Windoes 2244H

LOCATION: Elevation: 1,333' Quadrangle: Brownton/Century

District: Elk County: Harrison
Latitude: 14,275' Feet South of 39 Deg. 10' Min. 00" Sec.
Longitude 7,184' Feet West of 80 Deg. 12' Min. 00" Sec.

Company:

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
XTO Energy, Inc., PO Box 1008, Jane Lew, WV 26378	20"	60'	60'	C.T.S.
Agent: Gary Beall	13 3/8"	296'	296'	C.T.S.
Inspector: Tristan Jenkins	9 5/8"	2,666'	2,666'	C.T.S.
Date Permit Issued: 4/23/10	5 1/2"	10,434'	10,434'	1,277' sks
Date Well Work Commenced: 12/18/10				
Date Well Work Completed: 2/10/11				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft): 7,588'				
Total Measured Depth (ft): 10,434'				
Fresh Water Depth (ft.): 150'				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): None				
Void(s) encountered (N/Y) Depth(s) No				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 7590' / 7677' TVD
Gas: Initial open flow Show MCF/d Oil: Initial open flow ---------- Bbl/d
Final open flow Show MCF/d Final open flow ---------- Bbl/d
Time of open flow between initial and final tests ---------- Hours
Static rock Pressure ---------- psig (surface pressure) after ---------- Hours

Second producing formation ---------- Pay zone depth (ft) ----------
Gas: Initial open flow ---------- MCF/d Oil: Initial open flow ---------- Bbl/d
Final open flow ---------- MCF/d Final open flow ---------- Bbl/d
Time of open flow between initial and final tests ---------- Hours
Static rock Pressure ---------- psig (surface pressure) after ---------- Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Signature Date 6-17-11

Were core samples taken? Yes_____ No X_____ Were cuttings caught during drilling? Yes X_____ No_____

Were Y_____ Electrical, Y_____ Mechanical, Y_____ or Geophysical logs recorded on this well?
Y/N Y/N Y/N

NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Stg 1 Marcellus; 10,156'-10,408'; 72 shots; Slick water frac; Avg treating 7826 psi@76 bpm; 98,300#'s 100 mesh; 306,000#'s 40/70 mesh; 10,750 bbl water

Stg 2 Marcellus; 9,804'-10,056'; 72 shots; Slick water frac; Avg treating 7424 psi@81 bpm; 100,100#'s 100 mesh; 277,300#'s 40/70 mesh; 9,110 bbl water

Stg 3 Marcellus; 9,452'-9,704'; 72 shots; Slick water frac; Avg treating 7681 psi@86 bpm; 99,100#'s 100 mesh; 354,600#'s 40/70 mesh; 10,679 bbl water

Stg 4 Marcellus; 9,100'-9,352'; 72 shots; Slick water frac; Avg treating 7802 psi@84 bpm; 103,500#'s 100 mesh; 384,300#'s 40/70 mesh; 11,840 bbl water

Stg 5 Marcellus; 8,748'-9,000'; 72 shots; Slick water frac; Avg treating 7589 psi@80 bpm; 101,800#'s 100 mesh; 401,100#'s 40/70 mesh; 11,876 bbl water

Stg 6 Marcellus; 8,396'-8,648'; 72 shots; Slick water frac; Avg treating 7488 psi@81 bpm; 103,100#'s 100 mesh; 378,600#'s 40/70 mesh; 11,440 bbl water

Stg 7 Marcellus; 8,044'-8,296'; 72 shots; Slick water frac; Avg treating 7284 psi@81 bpm; 119,700#'s 100 mesh; 401,400#'s 40/70 mesh; 10,943 bbl water

Formations Encountered: Top Depth / Bottom Depth
Surface:

Sand - Grey	60' / 125'
Red Shale	125' / 130'
Sand - Grey	130' / 165' Water @ 150'
Shale - Grey	165' / 175'
Shale/Sand -Grey	175'/195'
Shale - Grey	195'/756'
Sand - White	756'/790'
Sand/Shale - Grey	790'/1005'
Shale - Grey	1005'/1375'
Shale - Red	1375'/1500'
Shale - Grey	1500'/2680'
SH, Sltst, SS	2680'/2710'
Sltst, SS - Brwn	2710/2800
SS, Sltst, SH-Grey	2800/2980

See additional pages

Ward 2244H

Formation Name or Type	Top (feet)	Bottom (feet)
SLTST, SS	2970	3030
SS, SLTST	3030	3120
SLTST, SS, SH	3120	3150
SH, SLTST	3150	3180
SLTST, SH	3180	3210
SLTST, SH, SS	3210	3240
SH, SLTST	3240	3270
SS, SLTST, SH	3270	3300
SH, SLTST	3300	3330
SLTST, SH	3330	3390
SLTST, SS, SH	3390	3480
SS, SLTST, SH, LS	3480	3510
SLTST, SS, SH	3510	3540
SLTST, SH, SS	3540	3570
SLTST, SH	3570	3600
SH, SLTST	3600	3630
SH	3630	3660
SH, SLTST	3660	3720
SLTST, SH	3720	3810
SH, SLTST	3810	3870
SLTST, SH	3870	3960
SH, SLTST	3960	4200
SH	4200	4290
SH, SLTST	4290	4530
SH	4530	4590
SH, SLTST	4590	4720
SH	4720	4770
SH, SLTST	4770	4890
SS, SLTST, SH	4890	5010
SLTST, SS, SH	5010	5100
SH, SLTST	5100	5130
SH, SLTST, SS	5130	5160
SLTST, SH, SS	5160	5280
SLTST, SH	5280	5340
SH, SLTST	5340	5400
SH, SLTST, SS	5400	5430
SLTST, SH	5430	5460
SLTST, SH, SS	5460	5490
SH, SLTST	5490	5580
SLTST, SH	5580	5610
SH, SLTST	5610	5640
SLTST, SH	5640	5760
SLTST, SH, SS	5760	5820
SH, SLTST, SS	5820	5850
SH, SLTST	5850	6090
SH, SLTST, SS	6090	6120
SH, SLTST	6120	6180
SH, SLTST, SS	6180	6240

SH, SLTST	6240	6390
SH, SLTST, SS	6390	6420
SLTST, SH, SS	6420	6480
SH, SLTST, SS	6480	6510
SLTST, SH	6510	6570
SH, SLTST	6570	6720
SLTST, SH	6720	6750
SLTST, SH, SS	6750	6780
SH, SLTST, SS	6780	6810
SH, SLTST	6810	6870
SH	6870	6990
SH, SLTST	6990	7050
SH	7050	7460
LS	7460	7500
SH	7500	10437

Burkett 7,398' / 7,419' TVD
7,431' / 7,457' MD
Tully 7,419' / 7,459' TVD
7,457' / 7,509' MD
Hamiltion 7,459' / 7,575' TVD
7,509' / 7,707' MD
Marcellus 7,575' / 7,588' TVD
7,707' / 10,434' MD

WR-35
Rev (5-01)

DATE: 01-15-09
API # : 47-049-01881

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

Well Operator's Report of Well Work

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Farm name: Smith Well No.: Smith #8

LOCATION: Elevation: 1,489' Quadrangle: Glover Gap 7.5'

District: Mannington County Marion

Latitude:	6,350'	Feet South of	39	Deg.	22 Min.	30 Sec.
Longitude	8,000'	Feet West of	80	Deg.	37 Min.	30 Sec.

Company: _____

TAPO Energy LLC	**Casing & Tubing**	**Used in drilling**	**Left in well**	**Cement fill up Cu. Ft.**
Address:				
P.O. Box 235 West Union WV 26456	9 5/8	835	825	350 sks
Agent: Jerry Poling				
Inspector: Bill Hatfield	6 5/8	1550	1550	325 sks
Date Permit Issued: 06/25/2007				
Date Well Work Commenced: 10/12/08	4 ½	3230	3053	125 sks
Date Well Work Completed: 10/28/08				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 3420'				
Fresh Water Depth (ft.): 85'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): N/A				

OPEN FLOW DATA

Producing formation Gordon Pay zone depth (ft) 2870-2950
Gas: Initial open odor MCF/d Oil: Initial open flow_____Bbl/d
Final open flow show MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests_____ Hours
Static rock Pressure 750# psig (surface pressure) after 48 Hours

Second producing formation. Big Injun Pay zone depth (ft) 2020-2120
Gas: Initial open flow___*____MCF/d Oil: Initial open flow_____Bbl/d
Final open flow_____*____MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests_____ Hours
Static rock Pressure_____psig (surface pressure) after _____Hours

* = commingled zones

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,

Signed: _____
By: _____
Date: _____

Smith #8

47-049-01881

Stage #1	perfs	sand	avg rate	isip
Gordon	3060-3338 16 holes	168 sks	24 bpm	2184#
Big Injun	2330-2397 16 holes	256 sks	28 bpm	2449"

Drillers Log

Fill	0	20	
Sd/Sh	20	445	
Sd	445	650	
Sd/Sh	650	870	
Slate	870	880	
Sd	880	1155	
Sd/Sh	1155	1690	
Sd	1690	1725	
Sh	1725	2080	
Sd	2080	2130	
Sh	2130	2240	
Lime	2240	2310	
Sd	2310	2430	
Sd/Sh	2410	2900	
Sd	2900	3250	
Sh	3250	3420	
Td	3420		gas ck @ TD = show

Electric Log Tops

Big Lime	2234
Berea	2560
Gordon	3160

WR-35

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Environmental Protection

Date May 28, 2009
API # 47 - 049 - 02016

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Farm Name: Faye Rockwell Operator Well No.: Rockwell 2205

LOCATION:
Elevation: 1048 Quadrangle: Wallace 7.5'
District: Mannington County: Marion
Latitude: 12,560' feet South of 39 DEG. 30 MIN. 00 SEC.
Longitude: 410' feet West of 80 DEG. 22 MIN. 30 SEC.

Company: XTO Energy, Inc.
P. O. Box 1004
Jane Lew, WV 26378

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
13 3/8"	32'	32'	
9 5/8"	365'	365'	105 sks
7"	1502'	1502'	210 sks
4 1/2"	3,708'	3,708'	250 sks

Agent: Gary Beall
Inspector: Tristan Jenkins
Permit Issued: March 4, 2009
Well Work Commenced: March 20, 2009
Well Work Completed: March 27, 2009
Verbal Plugging:
Permission granted on:
Rotary X Cable
Total Depth (feet) 3,850'
Fresh Water Depths (ft) 50', 85', 320', 650'
Salt Water Depths (ft) N/A
Is coal being mined in area (Y / N) ? No
Coal Depths (ft) 310'-320', 610'-615', 912'-914', 1110'-1115'

OPEN FLOW DATA

Producing Formation Balltown, Speecheley, 5th Pay Zone Depth (ft) 2,703'-3,614'
Gas: Initial Open Flow Show MCF/d Oil: Initial Open Flow N/A Bbl/d
Final Open Flow 311 MCF/d Final Open Flow N/A Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock pressure 150 psig surface pressure after 24 Hours

Second Producing Formation Gordon, 50', Injun Pay Zone Depth (ft) 1,717'-2,561'
Gas: Initial Open Flow Show MCF/d Oil: Initial Open Flow N/A Bbl/d
Final Open Flow Commingled MCF/d Final Open Flow N/A Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock pressure Commingled psig surface pressure after 24 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 SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE

For: **XTO Energy, Inc.**

By: **Gary Beall** **District Production Superintendent**

Date: 5-29-09

Stage	Depth & No. of Shots	Treatment Detail
1	3,595'-3,614' 18 shots	500 gal, 15% HCL, 200 sks sand, 320 bbl X-Link gel, N2 assist
2	2,703'-3,136' 12 shots	625 gal 15%HCL, 100 sks sand, 175 bbl X-Link gel, N2 assist
3	2,469'-2,561' 20 shots	Did not frac this zone
4	2,200'-2,242' 22 shots	500 gal 15% HCL, 100 sks sand, 280 bbl X-Link gel, N2 assist
5	1,798'-1,813' 12 shots	500 gal 15% HCL, 100 sks sand, 150 bbl X-Link gel, N2 assist
6	1,717'-1,768' 20 shots	625 gal 15% HCL, 200 sks sand, 225 bbl X-Link gel, N2 assist

FORMATION	TOP	BOTTOM	REMARKS
Fill	0'	10'	
Shale/Sand	10'	50'	1/2" H2O @ 50'
Sand	50'	200'	1/2" H2O @ 85'
Shale/Sand	200'	310'	
Coal	310'	318'	1" H2O @ 320'
Sand	318'	440'	
Shale/Sand	440'	530'	
Shale	530'	640'	
Sand	640'	670'	H2O @ 650'
Shale	670'	840'	
Shale/Sand	840'	1,370'	
Shale	1,370'	1,600'	
Big Lime	1,600'	1,670'	
Injun	1,670'	1,770'	
Shale	1,770'	2,250'	
Shale/Sand	2,250'	2,600'	Gas Show
Shale	2,600'	3,520'	
Balltown	3,520'	3,630'	Gas Show
Shale	3,630'	3,850'	DTD

WR-35

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Environmental Protection

Date May 28, 2009
API # 47 - 049 - 02017

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Farm Name: Faye Rockwell Operator Well No.: Rockwell 2208

LOCATION: Elevation: 987' Quadrangle: Wallace 7.5'
District: Mannington County: Marion
Latitude: 2,700' feet South of 39 DEG. 27' MIN. 30" SEC.
Longitude: 450' feet West of 80 DEG. 22' MIN. 30" SEC.

Company: XTO Energy, Inc.
P. O. Box 1004
Jane Lew, WV 26378

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
13 3/8"	30'	30'	
9 5/8"	236'	236'	125 sks
7"	1,416'	1,416'	220 sks
4 1/2"	3,550'	3,550'	255 sks

Agent: Gary Beall
Inspector: Tristan Jenkins
Permit Issued: March 4, 2009
Well Work Commenced: March 28, 2009
Well Work Completed: April 3, 2009
Verbal Plugging:
Permission granted on:
Rotary X Cable
Total Depth (feet) 3,600'
Fresh Water Depths (ft) 78', 985'
Salt Water Depths (ft) N/A
Is coal being mined in area (Y / N) ? No
Coal Depths (ft) 48'-50', 178'-187'

OPEN FLOW DATA

Producing Formation Balltown, 4th, Gordon, 30' Pay Zone Depth (ft) 2,258'-3,465'
Gas: Initial Open Flow Show MCF/d Oil: Initial Open Flow N/A Bbl/d
Final Open Flow 281 MCF/d Final Open Flow N/A Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock pressure 170 psig surface pressure after 12 Hours

Second Producing Formation 50', Pocono, Injun Pay Zone Depth (ft) 1,578'-2,150'
Gas: Initial Open Flow Show MCF/d Oil: Initial Open Flow N/A Bbl/d
Final Open Flow 281 MCF/d Final Open Flow N/A Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock pressure 170 psig surface pressure after 12 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 SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE

For: XTO Energy, Inc.

By: **District Production Superintendent**
Gary Beall

Date: 5-29-09

Stage	Depth & No. of Shots	Treatment Detail
1	3,339'-3,465' 20 shots	500 gal HCL, 200 sks sand, 210 bbl gelled fluid, N2 assist
2	2,379'-2,426' 16 shots	500 gal HCL, 100 sks sand, 190 bbl gelled fluid, N2 assist
3	2,258'-2,327' 18 shots	625 gal HCL, 100 sks sand, 240 bbl gelled fluid, N2 assist
4	2,050'-2,150' 19 shots	625 gal HCL, 125 sks sand, 260 bbl gelled fluid, N2 assist
5	1,656'-1,665' 14 shots	500 gal HCL, 200 sks sand, 220 bbl gelled fluid, N2 assist
6	1,578'-1,648' 18 shots	750 gal HCL, 200 sks sand, 215 bbl gelled fluid, N2 assist

FORMATION	TOP	BOTTOM	REMARKS
Sand/Shale	0	48	
Coal	48	50	
Sand/Shale	50	178	1/2" H2O @78'
Coal	178	187	
Sand/Shale	187	660	
Sand	660	745	
Sand/Shale	745	985	
Sand	985	1,180	1/2" H2O @ 985'
Sand/Shale	1,180	1,440	
Lime	1,440	1,460	
Shale	1,460	1,500	
B. Lime	1,500	1,560	
Sand	1,560	1,660	Gas Show
Shale	1,660	2,120	
Sand	2,120	2,170	Gas Show
Sand/Shale	2,170	2,470	
Shale	2,470	3,600	DTD

WR-35
Rev (8-10)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 6/3/11
API #: 47-049-02114

Farm name: Consolidation Coal Co. Operator Well No.: Crim 2247H

LOCATION: Elevation: 1,220' Quadrangle: Shinnston 7.5'

District: Lincoln
Latitude: 10,460' Feet South of 39 Deg. 30' Min. 00" Sec.
Longitude 3,000' Feet West of 80 Deg. 17' Min. 30" Sec.

County: Marion

Company:

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
XTO Energy, Inc., PO Box 1008, Jane Lew, WV 26378	20"	125'	125'	C.T.S.
Agent: Gary Beall	13 3/8"	590'	590'	C.T.S.
Inspector: Tristan Jenkins	9 5/8"	2908'	2908'	C.T.S.
Date Permit Issued: 8/17/2010	5 1/2"	11,300'	11,300'	1381 sks
Date Well Work Commenced: 9/1/2010				
Date Well Work Completed: 11/17/2010				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft): 7,464'				
Total Measured Depth (ft): 11,318'				
Fresh Water Depth (ft.): None				
Salt Water Depth (ft.): 1415'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 522'				
Void(s) encountered (N/Y) Depth(s) No				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)

Producing formation Marcellus Pay zone depth (ft) 7403'TVD/7484'TVD
Gas: Initial open flow Show MCF/d Oil: Initial open flow ---------- Bbl/d
Final open flow Show MCF/d Final open flow ---------- Bbl/d
Time of open flow between initial and final tests ---------- Hours
Static rock Pressure ---------- psig (surface pressure) after ---------- Hours

Second producing formation ---------- Pay zone depth (ft) ----------
Gas: Initial open flow ---------- MCF/d Oil: Initial open flow ---------- Bbl/d
Final open flow ---------- MCF/d Final open flow ---------- Bbl/d
Time of open flow between initial and final tests ---------- Hours
Static rock Pressure ---------- psig (surface pressure) after ---------- Hours

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I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Signature

6-14-11
Date

Were core samples taken? Yes_____ No X

Were cuttings caught during drilling? Yes X No_____

Were N (Y/N) Electrical, Y (Y/N) Mechanical, Y (Y/N) or Geophysical logs recorded on this well?

NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Stg 1 Marcellus; 11,022'-11,274'; 72 shots; Slick water frac; Avg treating 7035 psi@80 bpm; 116,200#'s 100 mesh; 413,960#'s 40/70 mesh; 10,064 bbl water, 558 bbl treated water

Stg 2 Marcellus; 10,670'-10,922'; 72 shots; Slick water frac; Avg treating 6931 psi@78 bpm; 117,460#'s 100 mesh; 430,090#'s 40/70 mesh; 10,390 bbl water, 491 bbl treated water

Stg 3 Marcellus; 10,318'-10,570'; 72 shots; Slick water frac; Avg treating 6929 psi@80 bpm; 114,960#'s 100 mesh; 427,620#'s 40/70 mesh; 10,282 bbl water, 517 bbl treated water

Stg 4 Marcellus; 9,966'-10,218'; 72 shots; Slick water frac; Avg treating 6659 psi@80 bpm; 102,840#'s 100 mesh; 426,400#'s 40/70 mesh; 10,398 bbl water, 465 bbl treated water

Stg 5 Marcellus; 9,614'-9,866'; 72 shots; Slick water frac; Avg treating 7010 psi@77 bpm; 76,920#'s 100 mesh; 233,060#'s 40/70 mesh; 121,420#'s 20/40 mesh; 10,842 bbl water, 311 bbl treated water

Stg 6 Marcellus; 9,262'-9,514'; 72 shots; Slick water frac; Avg treating 6614 psi@81 bpm; 80,720#'s 100 mesh; 198,100#'s 40/70 mesh; 125,120#'s 20/40 mesh; 9,528 bbl water, 572 bbl treated water

Stg 7 Marcellus; 8,910'-9,162'; 72 shots; Slick water frac; Avg treating 6462 psi@81 bpm; 81,180#'s 100 mesh; 238,560#'s 40/70 mesh; 121,900#'s 20/40 mesh; 10,086 bbl water, 735 bbl treated water

See additional page

Formations Encountered: Top Depth / Bottom Depth

Surface:

Dirt/Sand/Shale	0'/256'	Marcellus	7403'TVD/7464'TVD
Grey-Sand/Shale-Hard	256'/414'	Marcellus	7,540'MD/11318'MD
Grey Shale-Very Hard	414'/424'		
Grey Shale-Soft	424'/430'		
Dark Grey Shale-Soft	430'/445'		
Grey Shale-Soft	445'/510'		
Grey Sand- Hard	510'/522'		
Coal	522'/527'		
Grey Shale-Med.	527'/695'		
Sand/Shale- Drk Grey	695'/1100'		
Sand - Grey/Hard	1100'/3000' Water @ 1415'		
SLTST,SS,SH	3000'/7239'		
Geneseo(Burkett)	7239'/7297'		
Tully	7297'/7344'		
Hamilton	7344'/7403'		

Crim 2247H continued

Stg 8 Marcellus; 8,558'-8,810'; 72 shots; Slick water frac; Avg treating 6404 psi@74 bpm; 80,400#'s 100 mesh; 242,600#'s 40/70 mesh; 119,800#'s 20/40mesh; 9,528 bbl water, 584 bbl treated water

Stg 9 Marcellus; 8,206'-8,458'; 72 shots; Slick water frac; Avg treating 6178 psi@76 bpm; 80,100#'s 100 mesh; 243,500#'s 40/70 mesh; 122,800#'s 20/40 mesh; 9,528 bbl water, 360 bbl treated water

WR-35
Rev (8-10)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 6/3/11
API #: 47-049-02115

Farm name: Consolidation Coal Co
Operator Well No.: Crim 2248H

LOCATION: Elevation: 1,220'
Quadrangle: Shinnston 7.5'

District: Lincoln
County: Marion
Latitude: 10,460' Feet South of 39 Deg. 30' Min. 00" Sec.
Longitude 2,990' Feet West of 80 Deg. 18' Min. 07.7" Sec.

Company:

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
XTO Energy, Inc., PO Box 1008, Jane Lew, WV 26378	20"	130'	130'	C.T.S.
Agent: Gary Beall	13 3/8"	590'	590'	C.T.S.
Inspector: Tristan Jenkins	9 5/8"	2,905'	2,905'	C.T.S.
Date Permit Issued: 7/23/10	5 1/2"	11,070'	11,070'	1335 sks
Date Well Work Commenced: 8/1/2010				
Date Well Work Completed: 11/29/10				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft): 7,422'				
Total Measured Depth (ft): 11,070'				
Fresh Water Depth (ft.): None				
Salt Water Depth (ft.): 695'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 522'				
Void(s) encountered (N/Y) Depth(s) No				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 7401' - 7422'TVD
Gas: Initial open flow Show MCF/d Oil: Initial open flow ---------- Bbl/d
Final open flow Show MCF/d Final open flow ---------- Bbl/d
Time of open flow between initial and final tests ---------- Hours
Static rock Pressure ---------- psig (surface pressure) after ---------- Hours

Second producing formation ---------- Pay zone depth (ft) ----------
Gas: Initial open flow ---------- MCF/d Oil: Initial open flow ---------- Bbl/d
Final open flow ---------- MCF/d Final open flow ---------- Bbl/d
Time of open flow between initial and final tests ---------- Hours
Static rock Pressure ---------- psig (surface pressure) after ---------- Hours

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JUN 15 2011
WV Department of
Environmental Protection

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Signature

6-14-11
Date

Were core samples taken? Yes_____ No X_____ Were cuttings caught during drilling? Yes X_____ No_____

Were N_____ Electrical, Y_____ Mechanical, Y_____ or Geophysical logs recorded on this well?
Y/N Y/N Y/N

NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Stg 1 Marcellus; 10,787'-11,044'; 72 shots; Slick water frac; Avg treating 6281 psi@82 bpm; 101,100#'s 100 mesh; 403,620#'s 40/70 mesh; 9,528 bbl water, 571 bbl treated water

Stg 2 Marcellus; 10,432'-10,689'; 72 shots; Slick water frac; Avg treating 6226 psi@79 bpm; 99,900#'s 100 mesh; 241,400#'s 40/70 mesh; 93,100 #'s 20/40 mesh; 9,528 bbl water, 571 bbl treated water

Stg 3 Marcellus; 10,077'-10,334'; 72 shots; Slick water frac; Avg treating 5812 psi@77 bpm; 99,900#'s 100 mesh; 400,900#'s 40/70 mesh; 10,080 bbl water; 851 bbl treated water

Stg 4 Marcellus; 9,722'-9,979'; 72 shots; Slick water frac; Avg treating 5947 psi@78 bpm; 99,800#'s 100 mesh; 398,500#'s 40/70 mesh; 10,082 bbl water; 877 bbl treated water

Stg 5 Marcellus; 9,367'-9,624'; 72 shots; Slick water frac; Avg treating 5821 psi@78 bpm; 103,600#'s 100 mesh; 400,900#'s 40/70 mesh; 9,560 bbl water, 831 bbl treated water

Stg 6 Marcellus; 9,012'-9,269'; 72 shots; Slick water frac; Avg treating 5657 psi@78 bpm; 101,000#'s 100 mesh; 400,640#'s 40/70 mesh; 9,484 bbl water; 825 bbl treated water

Stg 7 Marcellus; 8,657'-9,914'; 72 shots; Slick water frac; Avg treating 5282 psi@78 bpm; 99,600#'s 100 mesh; 401,400#'s 40/70 mesh; 10,351 bbl water

See additional Page

Formations Encountered: Top Depth / Bottom Depth
Surface:

Dirt/Sand/Shale	0' / 256'	Marcellus	7401'TVD/7422'TVD
Grey Shale- Hard	256' / 414'	Marcellus	7645'MD/11070'MD
Grey Shale- Very Hard	414' / 424'		
Grey Shale- Soft	424'/ 430'		
Dark Grey Shale- Soft	430'/ 445'		
Grey Shale- Soft	445' / 510'		
Grey Sand-Hard	510' / 522'		
Coal	522' / 527'		
Grey Shale - Medium	527' / 695'		
Sand/Shale - Grey - Med	695' /1700' Water 695'		
Grey Sand-Hard	1700' / 2907'		
SLTST,SS,SH	2907'/7238'		
Geneseo(Burkett)	7238'/7293'		
Tully	7283'/7343'		
Hamilton	7343'/7401'		

Crim 2248H continued

Stg 8 Marcellus; 8,302'-8,559'; 72 shots; Slick water frac; Avg treating 4956 psi@76 bpm; 100,700#'s 100 mesh; 411,100#'s 40/70 mesh; 10,460 bbl water

Stg 9 Marcellus; 7,947'-8,204'; 72 shots; Slick water frac; Avg treating 4601 psi@76 bpm; 104,900#'s 100 mesh; 411,000#'s 40/70 mesh; 10,270 bbl water

WR-35
Rev (5-01)

DATE: 06-24-2011
API # : 47-5901874

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

Well Operator's Report of Well Work

Farm name: DONALD & DARLENE PRATER Operator Well NO.: 1731

LOCATION: Elevation: 882' Quadrangle: MAJESTIC

District: MAGNOLIA County: MINGO
Latitude: 10,139 Feet South of 37 Deg. 35 Min. 00 Sec.
Longitude 11,571 Feet West of 82 Deg. 05 Min. 30 Sec.

Company: KINZER DRILLING CO. LLC

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 1555 KY RT 80	13 3/8"	88'	88'	
PRESTONSBURG, KY 41653	9 5/8"	386'	386'	236
Agent: JAMES HILL	7"	2121'	2121'	486
Inspector: GARY SCITES	4 ½"	4702'	4702'	314
Date Permit Issued: 10/24/2007				
Date Well Work Commenced: 09/10/09				
Date Well Work Completed: 09/16/09				
Verbal Plugging:				
Date Permission granted on:				
Rotary YES Cable Rig				
Total Depth (feet): 4,750'				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? NO				
Coal Depths (ft.):				

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OPEN FLOW DATA

Producing formation Shale, Shale/Berea Pay zone depth (ft) SEE ATTACHED
Gas: Initial open flow 10.53 MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow ____ MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure ____ psig (surface pressure) after ____ Hours

Second producing formation ____ Pay zone depth (ft) ____
Gas: Initial open flow ____ MCF/d Oil: Initial open flow ____ Bbl/d
Final open flow ____ MCF/d Final open flow ____ Bbl/d
Time of open flow between initial and final tests ____ Hours
Static rock Pressure ____ psig (surface pressure) after ____ 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: Jerry Kinzer
Date: June 27, 2011

API # 47-5901674 WELL 1751

FROM	TO	ROCK TYPE (DESCRIBE ROCK TYPES AND OTHER MATERIALS PENETRATED AND RECORD OCCURRENCES OF OIL GAS, AND WATER FROM SURFACE TO TOTAL DEPTH)	FROM	TO	ROCK TYPE (DESCRIBE ROCK TYPES AND OTHER MATERIALS PENETRATED AND RECORD OCCURRENCES OF OIL GAS, AND WATER FROM SURFACE TO TOTAL DEPTH)
0	142	SUB BASE			GAS CHECK @ 2410' - INJUN/SMELL
142	195	SANDSTONE			GAS CHECK @ 3044' - COFFEE/SMELL
195	232	SAND/SHALE			GAS CHECK @ 3376' - BROWN/SMELL
232	250	COAL			
250	430	SAND/SHALE			
430	537	COAL			
537	553	SAND/SHALE			
553	660	RED ROCK			
660	724	SAND/SHALE			
724	892	RED ROCK			
892	930	SAND/SHALE			
930	982	MAXTON			
982	1040	SAND/SHALE			
1040	1388	LITTLE LIME			
1388	1404	BIG LIME			
1404	1470	INJUN			
1470	1644	WEIR			
1644	1690	SAND/SHALE			
1690	1870	SHALE			
1870	1930	BEREA			
1930	2050	SHALE			
2050	2070	SAND/SHALE			
2070	2080	SHALE			
2080	2110				
2110	2158				
2158	2390	T.D.			
2390	2420				
2420	2424				
2424	2490				
2490	2690				
2690	3018				
3018	3064				
3064	3190				
3190	3360				
3360	3460				
3460	3900				
3900	4070				
4070	4118				
4118	4238				
4238	4510				
4510	4740				
4740	4750				

QUALITY NATURAL GAS, LLC
WR-35 COMPLETION REPORT - Attachment
TREATMENT SUMMARY

WELL NAME & NO.	**QUALITY NATURAL GAS, LLC, #1731**
API #	**47-5901874**
DATE	**NOT YET TREATED**

STAGE NO. 1

TYPE FRAC	
ACID AMOUNT	
# PERFORATIONS	
PERF INTERVAL	
MAXIMUM PRESSURE	
INSTANT SHUT IN PRESSURE	
TOTAL TREATMENT VOLUME	

STAGE NO. 2

TYPE FRAC	
ACID AMOUNT	
# PERFORATIONS	
PERF INTERVAL	
MAXIMUM PRESSURE	
INSTANT SHUT IN PRESSURE	
TOTAL TREATMENT VOLUME	

STAGE NO. 3

TYPE FRAC	
ACID AMOUNT	
# PERFORATIONS	
PERF INTERVAL	
MAXIMUM PRESSURE	
INSTANT SHUT IN PRESSURE	
TOTAL TREATMENT VOLUME	

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Rev (5-01)

DATE: 06-24-2011
API # : 47-5901875

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

Well Operator's Report of Well Work

Farm name: PAUL & DEBORAH JUSTICE Operator Well NO.: 1734

LOCATION: Elevation: 972.7' Quadrangle: MATEWAN

District: MAGNOLIA County: MINGO
Latitude: 10,593 Feet South of 37 Deg. 35 Min. 00 Sec.
Longitude 473 Feet West of 82 Deg. 07 Min. 30 Sec.

Company: KINZER DRILLING CO. LLC

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 1555 KY RT 80	13 3/8"	119'	119'	
PRESTONSBURG, KY 41653	9 5/8"	386'	386'	236
Agent: JAMES HILL	7"	2206'	2206'	486
Inspector: GARY SCITES	4 ½"	4811'	4811'	314
Date Permit Issued: 10/24/2007				
Date Well Work Commenced: 09/17/09				
Date Well Work Completed: 09/27/09				
Verbal Plugging:				
Date Permission granted on:				
Rotary YES Cable Rig				
Total Depth (feet): 4,840'				
Fresh Water Depth (ft.): 610'				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? NO				
Coal Depths (ft.):				

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OPEN FLOW DATA

Producing formation Shale, Shale/Berea Pay zone depth (ft) SEE ATTACHED
Gas: Initial open flow 18.26 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ 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: Jerry Kinzer

Date: June 27, 2011

API# 47-3901873 WELL 1734

FROM	TO	ROCK TYPE (DESCRIBE ROCK TYPES AND OTHER MATERIALS PENETRATED AND RECORD OCCURRENCES OF OIL GAS, AND WATER FROM SURFACE TO TOTAL DEPTH)	FROM	TO	ROCK TYPE (DESCRIBE ROCK TYPES AND OTHER MATERIALS PENETRATED AND RECORD OCCURRENCES OF OIL GAS, AND WATER FROM SURFACE TO TOTAL DEPTH)
0	126	SURFACE			GAS CHECK @ 2244' - 8 7/8" TD/SMELL
126	207	SLATE			GAS CHECK @ 2498' - INJUN/SMELL
207	271	SAND/SLATE			GAS CHECK @ 3102' - COFFEE/NO GAS
271	329	SLATE			GAS CHECK @ 4850' - SMELL
329	610	SAND			
610	620	SAND/SLATE			
620	777	SAND			
777	823	SAND/SLATE			
823	1060	SALT SAND			
1060	1248	BROKEN SAND			
1248	1500	SALT SAND			
1500	1580	BROKEN SAND			
1580	1612	SAND/SLATE			
1612	1660	RED ROCK/SAND/SLATE			
1660	1700	SAND/SLATE			
1700	1742	RED ROCK			
1742	1764	SAND/SLATE			
1764	1795	RED ROCK/SLATE			
1795	1829	RED ROCK			
1829	1853	RED ROCK/SLATE			
1853	1909	SLATE			
1909	1937	SAND/SLATE			
1937	2006	SAND			
2006	2040	SAND/SLATE			
2040	2064	SAND			
2064	2154	SAND/SLATE			
2154	2170	SLATE			
2170	2186	SAND			
2186	2200	SAND/LIME			
2200	2270	DARK LIME			
2270	2490	BIG LIME			
2490	2494	INJUN			
2494	2520	BIG LIME			
2520	2550	INJUN			
2550	2776	WEIR			
2776	3078	SLATE			
3078	3140	COFFEE SHALE			
3140	3294	BEREA			
3294	3616	GREY SHALE			
3616	3740	BROWN SHALE			
3740	3890	WHITE SHALE			
3890	4070	BROWN SHALE			
4070	4110	WHITE SHALE			
4110	4140	LIME			
4140	4150	WHITE SHALE			
4150	4190	BROWN SHALE			
4190	4224	LIME			
4224	4360	BROWN SHALE			
4360	4540	WHITE SHALE			
4540	4706	BROWN SHALE			
4706	4730	WHITE SHALE			
4730	4828	BROWN SHALE			
4828	4840	CONIFEROUS			

QUALITY NATURAL GAS, LLC
WR-35 COMPLETION REPORT - Attachment
TREATMENT SUMMARY

WELL NAME & NO.	**QUALITY NATURAL GAS, LLC, #1734**
API #	**47-5901875**
DATE	**NOT YET TREATED**

STAGE NO. 1

TYPE FRAC	
ACID AMOUNT	
# PERFORATIONS	
PERF INTERVAL	
MAXIMUM PRESSURE	
INSTANT SHUT IN PRESSURE	
TOTAL TREATMENT VOLUME	

STAGE NO. 2

TYPE FRAC	
ACID AMOUNT	
# PERFORATIONS	
PERF INTERVAL	
MAXIMUM PRESSURE	
INSTANT SHUT IN PRESSURE	
TOTAL TREATMENT VOLUME	

STAGE NO. 3

TYPE FRAC	
ACID AMOUNT	
# PERFORATIONS	
PERF INTERVAL	
MAXIMUM PRESSURE	
INSTANT SHUT IN PRESSURE	
TOTAL TREATMENT VOLUME	

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DATE: 06-24-2011
API # : 47-5901886

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

Well Operator's Report of Well Work

Farm name: DANIEL DEATON Operator Well NO.: 1728

LOCATION: Elevation: 782.4' Quadrangle: MATEWAN

District: MAGNOLIA County: MINGO
Latitude: 8,807 Feet South of 37 Deg. 35 Min. 00 Sec.
Longitude 2,156 Feet West of 82 Deg. 07 Min. 30 Sec.

Company: M&M DRILLING, INC.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: HC 71, RT. 4, BOX 87-A	13 3/8"	32'	32'	
WHARNCLIFFE, WV 25651	9 5/8"	755'	755'	307
Agent: JAMES HILL	7"	2358'	2358'	504
Inspector: GARY SCITES	4 ½"	5020'	5020'	314
Date Permit Issued: 12/20/2007				
Date Well Work Commenced: 11/12/09				
Date Well Work Completed: 11/18/09				
Verbal Plugging:				
Date Permission granted on:				
Rotary YES Cable Rig				
Total Depth (feet): 4,615'				
Fresh Water Depth (ft.): 90', 293'				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? NO				
Coal Depths (ft.): 116-117', 162-164'				

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OPEN FLOW DATA

Producing formation Shale, Shale/Berea/Big Lime Pay zone depth (ft) SEE ATTACHED
Gas: Initial open flow 94 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ 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: Jerry Kensinger
Date: June 27, 2011

API# 47-5901886 WELL 1728

FROM	TO	ROCK TYPE (DESCRIBE ROCK TYPES AND OTHER MATERIALS PENETRATED AND RECORD OCCURRENCES OF OIL GAS, AND WATER FROM SURFACE TO TOTAL DEPTH)	FROM	TO	ROCK TYPE (DESCRIBE ROCK TYPES AND OTHER MATERIALS PENETRATED AND RECORD OCCURRENCES OF OIL GAS, AND WATER FROM SURFACE TO TOTAL DEPTH)
0	8	SUB BASE			GAS CHECK @ 2375' - WEIR/SMELL
8	21	SANDSTONE			GAS CHECK @ 3007' - BROWN/SMELL
21	116	SAND/SHALE			GAS CHECK @ 4615' - TD/94,000
116	117	COAL			
117	162	SAND/SHALE			
162	164	COAL			
164	1500	SAND/SHALE			
1500	1515	RED ROCK			
1515	1540	SAND/SHALE			
1540	1555	RED ROCK			
1555	1748	SAND/SHALE			
1748	1875	MAXTON			
1875	1976	SAND/SHALE			
1976	2070	LITTLE LIME			
2070	2277	BIG LIME			
2277	2348	INJUN			
2348	2373	WEIR			
2373	2675	SAND/SHALE			
2675	2239	SHALE			
2939	2961	BEREA			
2961	3895	SHALE			
3895	3940	SAND/SHALE			
3940	4615	SHALE			
	4615	T.D.			

QUALITY NATURAL GAS, LLC
WR-35 COMPLETION REPORT - Attachment
TREATMENT SUMMARY

WELL NAME & NO.	QUALITY NATURAL GAS, LLC, #1728
API #	47-5901886
DATE	NOT YET TREATED

STAGE NO. 1

TYPE FRAC	
ACID AMOUNT	
# PERFORATIONS	
PERF INTERVAL	
MAXIMUM PRESSURE	
INSTANT SHUT IN PRESSURE	
TOTAL TREATMENT VOLUME	

STAGE NO. 2

TYPE FRAC	
ACID AMOUNT	
# PERFORATIONS	
PERF INTERVAL	
MAXIMUM PRESSURE	
INSTANT SHUT IN PRESSURE	
TOTAL TREATMENT VOLUME	

STAGE NO. 3

TYPE FRAC	
ACID AMOUNT	
# PERFORATIONS	
PERF INTERVAL	
MAXIMUM PRESSURE	
INSTANT SHUT IN PRESSURE	
TOTAL TREATMENT VOLUME	

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DATE: 06-24-2011
API # : 47-5901888

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

Well Operator's Report of Well Work

Farm name: JEROME MARCUM Operator Well NO.: 1730

LOCATION: Elevation: 882' Quadrangle: MATEWAN

District: MAGNOLIA County: MINGO
Latitude: 10,023 Feet South of 37 Deg. 35 Min. 00 Sec.
Longitude 1,411 Feet West of 82 Deg. 07 Min. 30 Sec.

Company: M&M DRILLING, INC.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: HC 71, RT. 4, BOX 87-A	13 3/8"	32'	32'	
WHARNCLIFFE, WV 25651	9 5/8"	755'	755'	153
Agent: JAMES HILL	7"	2358'	2358'	425
Inspector: GARY SCITES	4 ½"	5020'	5020'	314
Date Permit Issued: 12/20/2007				
Date Well Work Commenced: 09/28/09				
Date Well Work Completed: 10/03/09				
Verbal Plugging:				
Date Permission granted on:				
Rotary YES Cable Rig				
Total Depth (feet): 5,022'				
Fresh Water Depth (ft.): 444'				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? NO				
Coal Depths (ft.): 206-208'				

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OPEN FLOW DATA

Producing formation Shale, Shale/Berea Pay zone depth (ft) SEE ATTACHED
Gas: Initial open flow 18.26 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ 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: Jerry Kensinger
Date: June 27, 2011

API# 47-5901888 WELL 1730

FROM	TO	ROCK TYPE (DESCRIBE ROCK TYPES AND OTHER MATERIALS PENETRATED AND RECORD OCCURRENCES OF OIL GAS, AND WATER FROM SURFACE TO TOTAL DEPTH)	FROM	TO	ROCK TYPE (DESCRIBE ROCK TYPES AND OTHER MATERIALS PENETRATED AND RECORD OCCURRENCES OF OIL GAS, AND WATER FROM SURFACE TO TOTAL DEPTH)
0	29	SURFACE			GAS CHECK @ 2390' - 8 7/8" TD/NO GAS
29	50	SAND			GAS CHECK @ 2680' - INJUN/SMELL
50	144	SAND/SLATE			GAS CHECK @ 3252' - COFFEE/SMELL
144	206	SAND			GAS CHECK @ 3554' - BROWN/SMELL
206	208	COAL			
208	270	SAND			
270	416	SAND/SLATE			
416	478	SAND			
478	512	SALTE			
512	631	SAND/SLATE			
631	818	SAND			
818	824	SAND/SLATE			
824	947	SAND			
947	991	SLATE			
991	1010	SAND/SLATE			
1010	1150	SAND			
1150	1205	SLATE			
1205	1217	SAND			
1217	1293	SAND/SLATE			
1293	1750	SAND			
1750	1800	SLATE/SAND			
1800	1850	SLARE/RED ROCK			
1850	1900	RED ROCK			
1900	1930	SAND/SLATE			
1930	1990	RED ROCK			
1990	2110	SAND/SLATE			
2110	2200	SAND			
2200	2230	SAND/SLATE			
2230	2300	SAND			
2300	2340	SAND/SLATE			
2340	2412	DARK LIME			
2412	2656	BIG LIME			
2656	2716	INJUN			
2716	2930	WEIR			
2930	3228	SHALE			
3228	3290	COFFEE SHALE			
3290	3390	BEREA			
3390	3530	GREY SHALE			
3530	3590	BROWN SHALE			
3590	4300	WHITE SHALE			
4300	4350	BROWN SHALE			
4350	4460	WHITE SHALE			
4460	4488	BROWN SHALE			
4488	4860	WHITE SHALE			
4860	4098	BROWN SHALE			
4098	5030	MARCELLOUS			
5030	5042	CORNIFEROUS			

QUALITY NATURAL GAS, LLC
WR-35 COMPLETION REPORT - Attachment
TREATMENT SUMMARY

WELL NAME & NO.	QUALITY NATURAL GAS, LLC, #1730
API #	47-5901888
DATE	NOT YET TREATED

STAGE NO. 1

TYPE FRAC	
ACID AMOUNT	
# PERFORATIONS	
PERF INTERVAL	
MAXIMUM PRESSURE	
INSTANT SHUT IN PRESSURE	
TOTAL TREATMENT VOLUME	

STAGE NO. 2

TYPE FRAC	
ACID AMOUNT	
# PERFORATIONS	
PERF INTERVAL	
MAXIMUM PRESSURE	
INSTANT SHUT IN PRESSURE	
TOTAL TREATMENT VOLUME	

STAGE NO. 3

TYPE FRAC	
ACID AMOUNT	
# PERFORATIONS	
PERF INTERVAL	
MAXIMUM PRESSURE	
INSTANT SHUT IN PRESSURE	
TOTAL TREATMENT VOLUME	

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 10/12/11
API #: 47-083-01225

Farm name: Coastal Forest Resources Co Operator Well No.: 513070 EQT

LOCATION: Elevation: 2,967' Quadrangle: Pickens

District: Middle Fork County: Randolph
Latitude: 4970 Feet South of 38 Deg. 45 Min. 0 Sec.
Longitude 8030 Feet West of 80 Deg. 7 Min. 30 Sec.

Company: EQT Production Company

Address: 1710 Pennsylvania Avenu	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Charleston, WV 25302	20"	40'	40'	6 sks
Agent: Rex C. Ray	13 3/8"	1,869'	1,869'	1262 sks
Inspector: Bill Hatfield	9 5/8"	2,550'	2,550'	950 sks
Date Permit Issued: 9/28/10				
Date Well Work Commenced: 6/19/11				
Date Well Work Completed: 10/7/11				
Verbal Plugging: YES				
Date Permission granted on: 10/5/11				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 6,584'				
Total Measured Depth (ft): 6,584'				
Fresh Water Depth (ft.): 154', 410'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 560'				
Void(s) encountered (N/Y) Depth(s) N				

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OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation_____ Pay zone depth (ft)_____
Gas: Initial open flow_____ MCF/d Oil: Initial open flow_____ Bbl/d
Final open flow_____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests_____ Hours
Static rock Pressure_____ psig (surface pressure) after _____ Hours

Second producing formation_____ Pay zone depth (ft)_____
Gas: Initial open flow_____ MCF/d Oil: Initial open flow_____ Bbl/d
Final open flow_____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests_____ Hours
Static rock Pressure_____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all its attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe the information is true, accurate, and complete.

SIGN HERE

Mike Butcher
Signature

10/
Date

Were core samples taken? Yes_____ No X_____ Were cuttings caught during drilling? Yes_____ No X_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list_____

NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

None performed

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Surface:	Top Depth / Bottom Depth		
sand & clay	0 /560	Benson	4222 / 4527
coal	560 / 561	Alexander	4527 / 4627
sandstone	561 / 849	sandstone	4627 / 6476
red rock	849 / 1313	Sonyea	6476 / 6584
sandstone	1313 / 1429		
limestone	1429 / 1550		
sand stone	1550 / 1718		
silty sand	1718 / 1821		
50 foot	1821 / 1850		
1st salt sand	1850 / 1880		
30 foot	1880 / 1934		
Gordon	1934 / 1991		
Sands	1991 / 2559		
Speechley	2559 / 3868		
Riley	3868 / 4222		

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State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 11/8/2011
API #: 47-085-09917

Farm name: Layfield, Ronald Ray & Sheila Operator Well No.: # 1

LOCATION: Elevation: 1,116 G.L. Quadrangle: Harrisville

District: Grant County: Ritchie
Latitude: 9,075 Feet South of 39 Deg. 12 Min. 30 Sec.
Longitude 11,575 Feet West of 81 Deg. 02 Min. 30 Sec.

Company: Viking International Resources Co., Inc.

Address: P.O. Box 100 Reno, Ohio 45773	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Agent: Lloyd Todd	13 3/8"	32'	32'	Driven
Inspector: Dave Cowan				
Date Permit Issued: 04/25/2011	9 5/8"	421'	421'	177 cu. ft.
Date Well Work Commenced: 05/06/2011				
Date Well Work Completed: 06/01/2011	7"	2321'	2321'	437 cu. ft.
Verbal Plugging: N/A				
Date Permission granted on: N/A	4 1/2"	N/A	6,281'	282 cu. ft.
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 6,325' DTD 6,317' LTD				
Total Measured Depth (ft): N/A				
Fresh Water Depth (ft.): Surface to 250'				
Salt Water Depth (ft.): @ 1365'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): Not Logged				
Void(s) encountered (N/Y) Depth(s) No				

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OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Shale Pay zone depth (ft) 6132' - 6207'
Gas: Initial open flow 250 MCF/d Oil: Initial open flow trace Bbl/d
Final open flow 175 MCF/d Final open flow trace Bbl/d
Time of open flow between initial and final tests 36 Hours
Static rock Pressure 975 psig (surface pressure) after 72 Hours

Second producing formation_____ Pay zone depth (ft)_____
Gas: Initial open flow_____MCF/d Oil: Initial open flow_____Bbl/d
Final open flow_____MCF/d Final open flow _____Bbl/d
Time of open flow between initial and final tests_____Hours
Static rock Pressure_____psig (surface pressure) after _____Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Signature 11/8/2011
Date

Were core samples taken? Yes_____ No X

Were cuttings caught during drilling? Yes X No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list Schlumberger; Density, Comp. Neutron, Induction, Caliper, Gamma Ray, & Temperature.

NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Perforations Marcellus Shale: 73 holes from 6139' to 6207'

Frac Summary: Slick-Water Sand Completion

Average Treating Pressure = 3,460 psi Total Fluid = 13,807 BBLS.

Average Treating Rate = 71 BPM Total Sand = 631,240 LBS.

ISIP = 1353 psi 5 min SIP = 1207 psi 10 min SIP = 1157 psi

Plug Back Details Including Plug Type and Depth(s):

Formations Encountered: Top Depth / Bottom Depth

Surface:

SEE ATTACHMENT

Geologic Formations: (Note! Surface to 2322' Gamma Ray and Cased-Hole Neutron Only)

Formation Name	Depths	Lithology	Shows/Remarks
	Surface - 1365'	Shale & Sand	Tr. Coal, Tr. Ls.
Second Salt Sand	1365' - 1452'	Sandstone	No Shows
	1452' - 1870'	Shale, Sand, Tr. Coal	
Maxton Stray	1870' - 1910'	Sandstone	No Shows
	1910' - 2014'	Shale & Sand	
Greenbrier	2014' - 2112'	Limestone	
Big Injun	2112' - 2172'	Sandstone, Tr. Shale	Slight Show Gas
	2172' - 2542'	Shale, Siltstone	
Berea	2542' - 2556'	Siltstone, Shale	Poorly Developed
	2556' - 2930'	Siltstone, Shale	
Gordon	2930' - 2945'	Siltstone, Tr. Ss	No Shows
	2945' - 3596'	Shale, Siltstone	
First Warren	3596' - 3638'	Siltstone, Tr. Ss	No Shows
	3638' - 4562'	Siltstone Shale	
Second Riley	4562' - 4606'	Siltstone, Tr. Ss	Show of Gas
	4606' - 5668'	Shale, Siltstone	Trace Organic Shale
Genesee Fm.	5668' - 5917'	Shale, Org. Shale	Slight Show Gas
Mahantango Fm.	5917' - 6131'	Shale, tr. Org. Shale	
Marcellus Fm.	6131' - 6208'	Organic Shale	Show Gas
Onondaga Fm.	6208' - 6317'	Limestone, Tr. Cht.	No Shows
			Driller's T.D. = 6325'
			Logger's T.D. = 6317'

WR-35
Rev (5-01)

DATE: 5/8/2008
API # : 47-091-01063

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

Well Operator's Report of Well Work

Farm name: Wyckoff Operator Well No.: B745

LOCATION: Elevation: 1588' Quadrangle: Thornton

District: Knottsville County Taylor

Latitude: _____ Feet South of _____ Deg. _____ Min. _____ Sec.
Longitude _____ Feet West of _____ Deg. _____ Min. _____ Sec.

Company: Berry Energy, Inc.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O Box 5	7"	708'	708'	To surface
Clarksburg, WV 26301				
Agent: David Berry				
Inspector: Bill Hatfield				
Date Permit Issued: 8/10/2005				
Date Well Work Commenced: 2/16/2008				
Date Well Work Completed: 2/20/2008				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 2005'				
Fresh Water Depth (ft.): 85'				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? No				
Coal Depth: 365'				

OPEN FLOW DATA

Producing formation Keener Sand Pay zone depth (ft) 1240'
Gas: Initial open flow 377 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 377 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 252 psig (surface pressure) after 76 Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ 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: David A. Berry
By: David Berry
Date: 5/8/2008

B745 con't

No Perforations

No Stimulation

Geologic Record

Sand and Shale	0	365	
Coal	365	378	
Shale and Sand	378	1102	
Little Lime	1102	1116	
Pencil Cave	1116	1141	
Big Lime	1141	1224	
Keener Sand	1224	1251	gas show 377M
Big Lime	1251	1352	
Sand and Shale	1352	2005	T.D. (10' KB)

WR-35

Date March 13, 2009
API # 47 - 093 - 00103

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

Farm Name: Linn Operating, Inc. Operator Well No.: Gotinsky #1 Frac

LOCATION: Elevation: 1,968' Quadrangle: Montrose
District: Black Fork County: Tucker
Latitude: 11,350' feet South of 39 DEG. 07 MIN. 30 SEC.
Longitude: 2,710' feet West of 79 DEG. 45 MIN. 00 SEC.

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
11 3/4	177'	177'	C.T.S.
8 5/8	880'	880'	C.T.S.
4 1/2	3,127'	3,127	128 sks
2 7/8		2,940'	n/a

Company: Linn Operating, Inc
P. O. Box 368
Glenville, WV 26351

Agent: Gary Beall
Inspector: Craig Duckworth
Permit Issued: 8/23/2007
Well Work Commenced: May 14, 2008
Well Work Completed: May 14, 2008
Verbal Plugging: ----------
Permission granted on:
Rotary _____ Cable Fracture
Total Depth (feet) 3,170'
Fresh Water Depths (ft) Fracture Only
Salt Water Depths (ft) Fracture Only
Is coal being mined in area (Y / N) ? Fracture Only
Coal Depths (ft) Fracture Only

Received
Office of Oil & Gas
APR 13 2009
WV Dept. of Environmental Protection

OPEN FLOW DATA

Producing Formation Huntersville Chert Pay Zone Depth (ft) Huntersville Chert 2,980'

Gas: Initial Open Flow Fracture For Injection MCF/d Oil: Initial Open Flow Fracture for Inj. Bbl/d
Final Open Flow Fracture For Injection MCF/d Final Open Flow Fracture for Inj. Bbl/d
Time of open flow between initial and final tests ---------- Hours
Static rock pressure ---------- psig surface pressure after ---------- Hours

Second Producing Formation ---------- Pay Zone Depth (ft) ----------

Gas: Initial Open Flow ---------- MCF/d Oil: Initial Open Flow ---------- Bbl/d
Final Open Flow ---------- MCF/d Final Open Flow ---------- Bbl/d
Time of open flow between initial and final tests ---------- Hours
Static rock pressure ---------- psig surface pressure after ---------- 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 SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE

For: Linn Operating, Inc.

By: [signature] **Sr. Production Foreman**
Date: 4-2-09

Stage	Formation	Depth & No. of Shots	Treatment Detail
1	Huntersville Chert	2,980'- 3,000' 80 Shots	X-Link. Breakdown 1,646 psi; Avg Treating 1,465 psi @ 26 bpm; 325 sacks 30/50 sand; 857 bbls water; 3,500 gal. acid; ISIP 982 psi; 5 min. 652 psi

FORMATION	TOP	BOTTOM	REMARKS
Fracture	Fracture	Fracture	Fracture

WR-35
Rev (8-10)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: June 23, 2011
API #: 47-103-02552

Farm name: Wheeling Jesuit University Operator Well No.: Lantz-Mills Unit 2 #2H

LOCATION: Elevation: 764' Quadrangle: Pine Grove

District: Grant County: Wetzel
Latitude: 6780 Feet South of 39 Deg. 32 Min. 30 Sec.
Longitude 6490 Feet West of 80 Deg. 37 Min. 30 Sec.

Company: Stone Energy Corporation

Address: 6000 Hampton Center, Suite B	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Morgantown, WV 26505	20"	24'	24'	Sanded In
Agent: Richard Toothman	13-3/8"	628'	628'	684
Inspector: David Scranage/ Derek Haught	9-5/8"	2185'	2185'	858
Date Permit Issued: 02/26/2010	5-1/2"		11752'	2802
Date Well Work Commenced: 04/05/2010				
Date Well Work Completed: 06/05/2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft): 6865				
Total Measured Depth (ft): 11755				
Fresh Water Depth (ft.): 20				
Salt Water Depth (ft.): 1320				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 490				
Void(s) encountered (N/Y) Depth(s) None				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Shale Pay zone depth (ft) 7166 to 11667
Gas: Initial open flow 501 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 2945 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 566 Hours
Static rock Pressure 3200 psig (surface pressure) after 8 Hours

Second producing formation_____ Pay zone depth (ft)_____
Gas: Initial open flow_____MCF/d Oil: Initial open flow_____Bbl/d
Final open flow_____MCF/d Final open flow _____Bbl/d
Time of open flow between initial and final tests_____Hours
Static rock Pressure_____psig (surface pressure) after _____Hours

RECEIVED
WV DEP
JUL - 1 2011
Office of
Oil and Gas

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Signature Date 6/27/2011

Were core samples taken? Yes_____ No X

Were cuttings caught during drilling? Yes X No_____

Were Y Electrical, N Mechanical, Y or Geophysical logs recorded on this well?
Y/N Y/N Y/N

NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Perforated interval from 7,166' MD to 11,667' MD.

Performed an 11 stage slick water frac.

Injected 24,282 gal of 15% HCl, 4,565,448 gal of water, 572,740 lbs of 80/100 Mesh sand, and 3,526,220 lbs of 40/70 Mesh sand.

Average injection rate was 81.8 BPM.

Formations Encountered: Top Depth / Bottom Depth

Surface:

** NOTE: See Attached Sheet for Formation Depths

Stone Energy Corporation
Lantz-Mills Unit 2 #2H (API # 47-103-02552)
WR-35 Well Operator's Report of Well Work
Formations Encountered

	Top		Bottom	
	TVD (ft)	MD (ft)	TVD (ft)	MD (ft)
Sandstone and shale	0 *		490	
Pittsburgh coal	490 *		494	
Sandstone and shale	494 *		1685	
Little Lime	1685 *		1705	
Limestone	1705		1715	
Big Lime	1715 *		1860	
Big Injun sandstone	1860 *		1944	
Shale	1944 *		2135	
Weir sandstone	2135 *		2137	
Shale	2137 *		2346	
Berea sandstone	2346 *		2366	
Shale	2366 *		2550	
Gordon sandstone	2550 *		2650	
Shale	2650 *		4853	
Riley shale	4853 *		4908	
Shale	4908 *		4960	
Benson siltstone	4960 *		4690	
Shale	4990 *		5208	
Pipe Creek shale	5208 *		5211	
Shale	5211 *		5217	
Lower Alexander shale	5217 *		5329	
Shale	5329 *		6140	
Rhinestreet shale	6150	6156	6395	6417
Cashaqua shale	6395	6417	6566	6631
Middlesex shale	6566	6631	6580	6651
West River shale	6580	6651	6655	6768
Geneseo shale	6655	6768	6696	6841
Tully limestone	6696	6841	6758	6992
Hamilton shale	6758	6992	6790	7125
Marcellus shale	6790	7125	6865	11755
TD	6865	11755		

* Formation elevations estimated from pilot hole.

Job Number: ▯	**State/Country: West Virginia**
Company: Stone	**Declination: ▯**
Lease/Well: Lantz Mills Unit 2 #2H	**Grid: ▯**
Location: ▯	**File name: D:\WINSERVE\LMU2H.SVY**
Rig Name: Saxon 141	**Date/Time: 11-Feb-11 / 00:19**
RKB: 18'	**Curve Name: Lantz Mills Unit 2 #2H As Drilled**
G.L. or M.S.L.: 764'	

Scientific Drilling

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 137.21
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	*Incl Angle Deg*	*Drift Direction Deg*	*True Vertical Depth*	*N-S FT*	*E-W FT*	*Vertical Section FT*	*CLOSURE Distance FT*	*CLOSURE Direction Deg*	*Dogleg Severity Deg/100*
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
100.00	.36	321.15	100.00	.24	-.20	-.31	.31	321.15	.36
200.00	.08	281.51	200.00	.50	-.46	-.68	.68	317.41	.30
300.00	.07	259.32	300.00	.51	-.59	-.77	.78	310.56	.03
400.00	.04	254.82	400.00	.49	-.68	-.82	.84	305.33	.03
500.00	.14	301.50	500.00	.54	-.82	-.96	.98	303.29	.12
600.00	.11	297.24	600.00	.65	-1.01	-1.16	1.20	302.62	.03
700.00	.23	232.84	700.00	.57	-1.26	-1.27	1.38	294.40	.21
800.00	.40	230.83	800.00	.23	-1.69	-1.31	1.70	277.72	.17
900.00	.55	251.37	899.99	-.15	-2.41	-1.53	2.42	266.56	.22
1000.00	.64	246.62	999.99	-.52	-3.38	-1.91	3.42	261.25	.10
1100.00	.54	248.58	1099.98	-.91	-4.33	-2.27	4.43	258.09	.10
1200.00	.54	251.36	1199.98	-1.24	-5.22	-2.64	5.36	256.67	.03
1300.00	.29	212.47	1299.98	-1.60	-5.80	-2.77	6.02	254.57	.36
1400.00	.26	337.94	1399.97	-1.60	-6.02	-2.91	6.23	255.08	.49
1500.00	.49	350.48	1499.97	-.97	-6.18	-3.48	6.25	261.06	.24
1600.00	.59	22.29	1599.97	-.07	-6.05	-4.06	6.05	269.30	.31
1700.00	.64	353.76	1699.96	.96	-5.92	-4.72	5.99	279.19	.31
1800.00	.63	307.99	1799.96	1.85	-6.41	-5.71	6.67	286.10	.49
1900.00	.89	284.56	1899.95	2.38	-7.60	-6.91	7.96	287.43	.40
2000.00	.75	273.99	1999.94	2.63	-9.00	-8.04	9.38	286.26	.21
2100.00	.56	275.55	2099.93	2.72	-10.14	-8.88	10.50	285.01	.19
2200.00	.76	271.50	2199.92	2.78	-11.29	-9.71	11.63	283.85	.21
2300.00	.29	291.15	2299.92	2.89	-12.19	-10.41	12.53	283.35	.49
2400.00	1.17	58.24	2399.91	3.52	-11.56	-10.44	12.09	286.95	1.37

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
2499.99	2.49	68.38	2499.85	4.86	-8.68	-9.46	9.95	299.25	1.35
2599.99	3.25	82.65	2599.73	6.02	-3.85	-7.03	7.15	327.42	1.04
2699.99	3.37	104.57	2699.56	5.65	1.82	-2.91	5.93	17.83	1.26
2799.99	4.58	109.19	2799.32	3.59	8.43	3.09	9.17	66.92	1.24
2899.99	6.03	108.99	2898.89	.57	17.17	11.24	17.18	88.09	1.46
2999.99	6.40	107.63	2998.30	-2.83	27.45	20.72	27.60	95.88	.40
3099.99	6.54	108.47	3097.67	-6.32	38.16	30.56	38.68	99.40	.17
3199.99	6.60	104.47	3197.01	-9.56	49.13	40.39	50.05	101.01	.46
3299.99	6.69	97.65	3296.34	-11.77	60.46	49.71	61.60	101.01	.79
3399.99	6.89	96.62	3395.64	-13.23	72.19	58.75	73.39	100.39	.24
3499.99	7.00	96.35	3494.90	-14.60	84.20	67.91	85.46	99.84	.11
3599.99	6.30	99.57	3594.23	-16.18	95.67	76.86	97.03	99.60	.79
3699.99	5.01	102.25	3693.74	-18.02	105.34	84.78	106.87	99.71	1.32
3799.99	3.61	101.02	3793.46	-19.55	112.70	90.90	114.38	99.84	1.39
3818.99	3.35	100.58	3812.42	-19.77	113.83	91.83	115.54	99.85	1.40
3882.00	2.81	97.39	3875.34	-20.30	117.17	94.50	118.92	99.83	.90
3978.00	2.00	101.00	3971.26	-20.92	121.15	97.66	122.95	99.80	.86
4074.00	1.55	132.01	4067.21	-22.11	123.76	100.30	125.72	100.13	1.09
4169.00	1.16	142.90	4162.19	-23.74	125.30	102.54	127.53	100.73	.49
4265.00	.81	159.86	4258.17	-25.15	126.12	104.13	128.60	101.28	.47
4360.00	.71	154.86	4353.16	-26.32	126.60	105.31	129.30	101.74	.13
4455.00	.54	142.09	4448.16	-27.20	127.12	106.32	130.00	102.08	.23
4551.00	.37	168.23	4544.15	-27.86	127.46	107.03	130.47	102.33	.28
4583.00	.50	206.62	4576.15	-28.09	127.42	107.17	130.48	102.43	.97
4646.00	.43	209.39	4639.15	-28.54	127.18	107.34	130.35	102.65	.12
4710.00	.12	184.25	4703.15	-28.82	127.06	107.46	130.29	102.78	.51
4774.00	.19	199.45	4767.15	-28.98	127.02	107.55	130.28	102.85	.13
4837.00	.17	147.91	4830.15	-29.16	127.03	107.70	130.34	102.93	.25
4901.00	.29	56.46	4894.15	-29.15	127.22	107.81	130.52	102.91	.53
5028.00	.14	331.94	5021.15	-28.84	127.41	107.72	130.64	102.75	.24
5092.00	.46	351.28	5085.15	-28.51	127.34	107.43	130.49	102.62	.52
5155.00	.50	336.21	5148.15	-28.01	127.19	106.96	130.24	102.42	.21
5218.00	.57	327.01	5211.14	-27.50	126.91	106.39	129.85	102.23	.18
5282.00	.95	325.65	5275.14	-26.79	126.44	105.55	129.24	101.96	.59
5346.00	1.01	320.99	5339.13	-25.92	125.78	104.46	128.42	101.64	.16
5409.00	1.14	320.82	5402.12	-25.00	125.04	103.28	127.51	101.31	.21
5472.00	1.03	328.29	5465.11	-24.03	124.34	102.10	126.64	100.94	.28
5536.00	1.03	327.35	5529.10	-23.06	123.73	100.97	125.86	100.56	.03
5600.00	.98	334.40	5593.09	-22.08	123.18	99.88	125.15	100.16	.21
5664.00	.83	328.15	5657.08	-21.19	122.70	98.91	124.52	99.80	.28
5707.00	.67	329.95	5700.07	-20.71	122.41	98.35	124.15	99.60	.38
5769.00	.73	335.75	5762.07	-20.04	122.07	97.63	123.70	99.32	.15
5831.00	.57	331.05	5824.07	-19.41	121.76	96.95	123.29	99.06	.27
5893.00	.50	316.15	5886.06	-18.94	121.42	96.38	122.89	98.87	.25
5954.00	.54	322.94	5947.06	-18.52	121.06	95.83	122.47	98.70	.12

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
6016.00	.52	300.33	6009.06	-18.15	120.64	95.27	122.00	98.55	.34
6047.00	.66	292.87	6040.06	-18.00	120.36	94.97	121.70	98.51	.51
6078.00	.95	163.38	6071.05	-18.18	120.27	95.04	121.63	98.60	4.71
6109.00	3.36	144.65	6102.03	-19.17	120.86	96.17	122.38	99.01	8.00
6139.00	5.94	147.61	6131.93	-21.20	122.21	98.57	124.03	99.84	8.63
6170.00	8.91	149.42	6162.67	-24.62	124.29	102.50	126.70	101.20	9.61
6201.00	11.61	148.36	6193.17	-29.34	127.14	107.90	130.49	103.00	8.73
6231.00	14.38	148.01	6222.40	-35.07	130.70	114.53	135.33	105.02	9.24
6263.00	16.35	146.67	6253.25	-42.21	135.28	122.87	141.71	107.33	6.26
6293.00	18.99	147.59	6281.83	-49.86	140.22	131.84	148.82	109.57	8.85
6324.00	21.23	146.35	6310.94	-58.79	146.03	142.35	157.42	111.93	7.36
6355.00	23.75	145.54	6339.58	-68.61	152.68	154.07	167.39	114.20	8.19
6386.00	25.99	145.35	6367.71	-79.35	160.07	166.97	178.66	116.37	7.23
6417.00	28.42	144.75	6395.27	-90.96	168.19	181.01	191.21	118.40	7.89
6448.00	30.72	143.84	6422.23	-103.38	177.12	196.19	205.09	120.27	7.56
6478.00	33.23	143.25	6447.68	-116.15	186.57	211.98	219.77	121.91	8.43
6508.00	35.52	141.71	6472.44	-129.58	196.89	228.84	235.70	123.35	8.16
6539.00	37.82	141.15	6497.30	-144.05	208.43	247.30	253.37	124.65	7.50
6571.00	40.34	141.00	6522.14	-159.75	221.10	267.43	272.77	125.85	7.88
6603.00	42.76	140.73	6546.09	-176.21	234.50	288.61	293.32	126.92	7.58
6635.00	45.02	140.37	6569.15	-193.34	248.60	310.75	314.93	127.87	7.11
6667.00	47.12	140.13	6591.35	-211.05	263.33	333.77	337.47	128.71	6.58
6699.00	49.89	139.71	6612.55	-229.39	278.76	357.71	361.01	129.45	8.71
6731.00	52.27	140.09	6632.65	-248.43	294.80	382.57	385.52	130.12	7.49
6763.00	53.52	140.17	6651.95	-268.02	311.16	408.06	410.68	130.74	3.91
6795.00	54.93	139.67	6670.66	-287.88	327.87	433.99	436.32	131.28	4.58
6826.00	57.08	139.18	6687.99	-307.40	344.59	459.67	461.78	131.74	7.06
6858.00	60.13	138.85	6704.66	-328.02	362.51	486.97	488.88	132.14	9.57
6890.00	63.07	139.20	6719.88	-349.27	380.96	515.10	516.84	132.52	9.24
6922.00	66.36	139.13	6733.55	-371.16	399.88	544.02	545.58	132.87	10.28
6954.00	69.20	139.81	6745.65	-393.67	419.12	573.61	575.02	133.21	9.09
6985.00	71.77	139.77	6756.00	-415.99	437.99	602.80	604.05	133.52	8.29
7017.00	74.12	140.62	6765.39	-439.49	457.57	633.35	634.44	133.85	7.77
7049.00	76.05	141.52	6773.62	-463.54	477.00	664.20	665.13	134.18	6.62
7081.00	76.98	141.62	6781.08	-487.92	496.34	695.23	696.00	134.51	2.92
7113.00	78.70	142.07	6787.82	-512.52	515.66	726.41	727.04	134.82	5.55
7144.00	80.71	142.06	6793.36	-536.57	534.41	756.80	757.30	135.12	6.48
7176.00	82.89	141.46	6797.93	-561.45	554.02	788.37	788.77	135.38	7.06
7207.00	84.92	140.93	6801.22	-585.46	573.33	819.11	819.44	135.60	6.77
7239.00	87.14	140.98	6803.43	-610.26	593.44	850.97	851.23	135.80	6.94
7271.00	87.88	140.79	6804.82	-635.06	613.61	882.87	883.07	135.98	2.39
7335.00	88.62	140.51	6806.78	-684.53	654.17	946.73	946.85	136.30	1.24
7398.00	89.06	139.93	6808.05	-732.93	694.47	1009.63	1009.69	136.54	1.16
7461.00	89.73	140.20	6808.72	-781.24	734.91	1072.54	1072.58	136.75	1.15
7524.00	90.61	139.80	6808.53	-829.50	775.40	1135.47	1135.48	136.93	1.53

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
7587.00	89.60	138.32	6808.42	-877.09	816.68	1198.43	1198.44	137.04	2.84
7651.00	88.99	137.08	6809.21	-924.42	859.75	1262.42	1262.43	137.08	2.16
7715.00	89.46	137.25	6810.07	-971.34	903.26	1326.42	1326.42	137.08	.78
7779.00	87.31	137.61	6811.87	-1018.46	946.54	1390.39	1390.39	137.10	3.41
7842.00	87.98	137.39	6814.46	-1064.86	989.06	1453.33	1453.34	137.11	1.12
7906.00	88.96	138.48	6816.17	-1112.36	1031.93	1517.30	1517.30	137.15	2.29
7970.00	88.12	139.08	6817.80	-1160.48	1074.08	1581.26	1581.26	137.21	1.61
8033.00	88.05	139.13	6819.91	-1208.08	1115.31	1644.19	1644.19	137.29	.14
8096.00	89.06	138.34	6821.50	-1255.42	1156.84	1707.14	1707.15	137.34	2.04
8160.00	90.03	139.75	6822.00	-1303.75	1198.79	1771.11	1771.12	137.40	2.67
8223.00	89.93	140.22	6822.03	-1352.00	1239.30	1834.03	1834.06	137.49	.76
8286.00	88.99	139.26	6822.62	-1400.07	1280.01	1896.97	1897.00	137.57	2.13
8350.00	88.96	138.81	6823.77	-1448.39	1321.96	1960.93	1960.97	137.61	.70
8413.00	89.73	139.41	6824.49	-1496.01	1363.20	2023.89	2023.95	137.66	1.55
8477.00	89.73	139.36	6824.79	-1544.60	1404.86	2087.84	2087.92	137.71	.08
8540.00	88.35	137.09	6825.84	-1591.57	1446.82	2150.81	2150.90	137.73	4.22
8604.00	87.98	137.42	6827.89	-1638.54	1490.24	2214.78	2214.87	137.71	.77
8668.00	88.93	136.86	6829.62	-1685.44	1533.75	2278.76	2278.84	137.70	1.72
8732.00	89.33	136.69	6830.59	-1732.07	1577.58	2342.75	2342.82	137.67	.68
8795.00	89.56	136.40	6831.20	-1777.80	1620.91	2405.74	2405.81	137.64	.59
8858.00	89.70	135.72	6831.61	-1823.16	1664.62	2468.73	2468.78	137.60	1.10
8921.00	89.66	134.31	6831.96	-1867.72	1709.16	2531.68	2531.72	137.54	2.24
8985.00	89.46	135.89	6832.45	-1913.05	1754.33	2595.63	2595.66	137.48	2.49
9049.00	89.36	137.06	6833.11	-1959.45	1798.40	2659.62	2659.64	137.45	1.83
9112.00	90.27	138.27	6833.31	-2006.02	1840.83	2722.62	2722.64	137.46	2.40
9175.00	90.24	137.52	6833.03	-2052.76	1883.07	2785.61	2785.64	137.47	1.19
9239.00	89.02	136.83	6833.45	-2099.70	1926.57	2849.61	2849.63	137.46	2.19
9303.00	89.03	136.23	6834.53	-2146.14	1970.60	2913.59	2913.62	137.44	.94
9366.00	89.23	136.06	6835.49	-2191.56	2014.24	2976.58	2976.59	137.41	.42
9430.00	88.29	136.73	6836.88	-2237.89	2058.37	3040.55	3040.57	137.39	1.80
9494.00	88.82	136.75	6838.49	-2284.49	2102.21	3104.53	3104.54	137.38	.83
9557.00	88.99	136.74	6839.69	-2330.36	2145.38	3167.52	3167.53	137.37	.27
9621.00	88.15	134.39	6841.29	-2376.04	2190.17	3231.46	3231.47	137.33	3.90
9685.00	88.45	134.54	6843.19	-2420.85	2235.82	3295.36	3295.37	137.28	.52
9749.00	89.02	135.46	6844.60	-2466.10	2281.06	3359.30	3359.30	137.23	1.69
9812.00	89.60	136.14	6845.36	-2511.26	2324.98	3422.27	3422.27	137.21	1.42
9876.00	89.83	136.55	6845.68	-2557.56	2369.16	3486.27	3486.27	137.19	.73
9940.00	89.87	136.84	6845.85	-2604.14	2413.06	3550.26	3550.26	137.18	.46
10003.00	88.15	136.76	6846.94	-2650.05	2456.18	3613.25	3613.25	137.17	2.73
10067.00	87.64	136.82	6849.29	-2696.67	2499.97	3677.21	3677.21	137.17	.80
10131.00	88.22	136.75	6851.60	-2743.28	2543.76	3741.16	3741.16	137.16	.91
10194.00	88.82	135.77	6853.23	-2788.78	2587.30	3804.13	3804.13	137.15	1.82
10257.00	89.33	136.62	6854.24	-2834.24	2630.90	3867.11	3867.12	137.13	1.57
10320.00	89.70	136.12	6854.78	-2879.84	2674.37	3930.10	3930.11	137.12	.99
10384.00	89.63	137.09	6855.15	-2926.34	2718.34	3994.10	3994.10	137.11	1.52

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
10447.00	89.36	137.53	6855.71	-2972.65	2761.06	4057.09	4057.10	137.11	.82
10511.00	89.06	138.59	6856.59	-3020.25	2803.83	4121.08	4121.08	137.13	1.72
10574.00	88.58	139.26	6857.89	-3067.73	2845.21	4184.04	4184.04	137.16	1.31
10638.00	88.89	140.16	6859.30	-3116.54	2886.59	4247.96	4247.96	137.19	1.49
10701.00	88.85	141.54	6860.54	-3165.38	2926.35	4310.82	4310.82	137.25	2.19
10764.00	89.16	142.42	6861.63	-3215.00	2965.15	4373.59	4373.60	137.32	1.48
10827.00	89.70	142.33	6862.26	-3264.90	3003.61	4436.33	4436.35	137.39	.87
10891.00	89.66	142.53	6862.62	-3315.63	3042.63	4500.07	4500.11	137.46	.32
10955.00	88.99	143.32	6863.37	-3366.68	3081.21	4563.74	4563.82	137.54	1.62
11019.00	88.75	142.69	6864.63	-3417.79	3119.71	4627.40	4627.52	137.61	1.05
11082.00	89.09	141.44	6865.82	-3467.47	3158.44	4690.16	4690.32	137.67	2.06
11146.00	89.36	141.83	6866.69	-3517.64	3198.16	4753.97	4754.16	137.72	.74
11209.00	89.36	141.20	6867.39	-3566.96	3237.36	4816.79	4817.02	137.77	1.00
11273.00	89.97	141.65	6867.77	-3616.99	3277.26	4880.61	4880.89	137.82	1.18
11337.00	90.47	141.81	6867.52	-3667.23	3316.90	4944.41	4944.74	137.87	.82
11400.00	91.01	141.47	6866.71	-3716.63	3356.00	5007.22	5007.60	137.92	1.01
11464.00	90.71	140.36	6865.75	-3766.30	3396.34	5071.08	5071.51	137.96	1.80
11528.00	90.40	141.18	6865.13	-3815.87	3436.82	5134.95	5135.43	137.99	1.37
11591.00	90.00	141.61	6864.91	-3865.11	3476.13	5197.78	5198.32	138.03	.93
11655.00	90.00	142.97	6864.91	-3915.74	3515.27	5261.53	5262.14	138.08	2.12
11687.00	89.83	143.44	6864.95	-3941.36	3534.44	5293.35	5294.01	138.12	1.56
Projection to Bit									
11755.00	89.83	143.44	6865.16	-3995.98	3574.94	5360.95	5361.72	138.18	.00

WR-35
Rev (8-10)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 06/27/2011
API #: 47-103-02569
REVISED

Farm name: Maury, Dorthy M. Operator Well No.: Maury et al Unit 1 #1H

LOCATION: Elevation: 728' Quadrangle: Porter Falls

District: Magnolia County: Wetzel
Latitude: 3045 Feet South of 39 Deg. 37 Min. 00 Sec.
Longitude 9310 Feet West of 80 Deg. 45 Min. 00 Sec.

Company: Stone Energy Corporation

Address: 6000 Hampton Center, Suite B	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Morgantown, WV 26505	20"	42'	42'	Sanded In
Agent: Richard Toothman	13 3/8"	670'	670'	774
Inspector: Dave Scranage	9 5/8"	2143'	2143'	1017
Date Permit Issued: 6/23/2010	5 1/2"		9861'	2309
Date Well Work Commenced: 7/28/2010	2-3/8"		6724'	
Date Well Work Completed: 1/04/2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft): 6448				
Total Measured Depth (ft): 9929				
Fresh Water Depth (ft.): 35				
Salt Water Depth (ft.): 1796				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): None observed				
Void(s) encountered (N/Y) Depth(s) None				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Pay zone depth (ft) 6744' to 9748'
Gas: Initial open flow 200 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1960 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 175 Hours
Static rock Pressure 2200 psig (surface pressure) after 24 Hours

Second producing formation_____ Pay zone depth (ft)_____
Gas: Initial open flow_____MCF/d Oil: Initial open flow_____Bbl/d
Final open flow_____MCF/d Final open flow _____Bbl/d
Time of open flow between initial and final tests_____Hours
Static rock Pressure_____psig (surface pressure) after _____Hours

RECEIVED
WV DEP
JUL - 1 2011
Office of
Oil and Gas

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

W. G. Brady
Signature

6/27/2011
Date

Were core samples taken? Yes_____ No X

Were cuttings caught during drilling? Yes X No_____

Were Y Electrical, N Mechanical, Y or Geophysical logs recorded on this well?
Y/N Y/N Y/N

NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Perforated interval from 6,744' MD to 9,748' MD.

Performed 8 stage slick water frac. Pumped 24,528 gal 15% HCl, 2,880,108 gal of water, 465,206 lbs of 100 Mesh sand and 1,990,411 lbs of 40/70 mesh sand. Average injection rate of 77.5 BPM.

Formations Encountered: Top Depth / Bottom Depth
Surface:

** See Attached Formation Record

Stone Energy Corporation
Maury et al Unit 1 #1H (API # 47-103-02569)
WR-35 Well Operator's Report of Well Work
Formations Encountered

	Top		Bottom	
	TVD (ft)	MD (ft)	TVD (ft)	MD (ft)
Sandstone and Shale	0 *		40 *	
Red Rock	40 *		50 *	
Sandstone and Shale	50 *		293 *	
Red Rock	293 *		353 *	
Sandstone and Shale	353 *		1664 *	
Little Lime	1664 *		1694 *	
Big Lime	1694 *		1870 *	
Big Injun	1870 *		1975 *	
Shale	1975 *		2346 *	
Berea sandstone	2338 *		2358 *	
Shale	2366 *		2550 *	
Gordon sandstone	2534 *		2560 *	
Shales	2560 *		6180 *	
Middlesex shale	6180	6238	6199	6264
West River shale	6199	6264	6270	6380
Geneseo shale	6270	6380	6288	6416
Tully limestone	6288	6416	6372	6671
Hamilton shale	6372	6671	6375	6713
Marcellus shale	6375	6713	6448	9929
TD	6448	9929		

* Formation elevations from "Driller's Log Book"

Job Number: 23D0810100	**State/Country: West Virginia**
Company: Stone Energy	**Declination: -8.35**
Lease/Well: Maury et al Unit 1 #1H	**Grid: .82**
Location: West Virginia	**File name: D:\WINSERVE\MAURY#1H.SVY**
Rig Name: Saxon 141	**Date/Time: 03-Sep-10 / 06:11**
RKB: 18	**Curve Name: Maury Unit 1 # 1H**
G.L. or M.S.L.: ▯	

Scientific Drilling

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 176.42
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Distance FT	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00
108.00	.19	180.32	108.00	-.18	.00	.18	.18	.18
208.00	.22	190.32	208.00	-.53	-.04	.53	.53	.05
308.00	.11	44.05	308.00	-.65	.00	.65	.65	.32
408.00	.17	161.14	408.00	-.73	.11	.73	.73	.24
508.00	.18	160.05	508.00	-1.01	.21	1.02	1.04	.01
608.00	.14	322.36	608.00	-1.06	.19	1.07	1.08	.32
708.00	.16	153.78	708.00	-1.09	.18	1.10	1.11	.30
808.00	.14	350.96	808.00	-1.10	.22	1.11	1.12	.30
908.00	.37	137.16	908.00	-1.21	.42	1.24	1.28	.49
1008.00	.28	29.16	1008.00	-1.24	.76	1.28	1.45	.53
1108.00	.13	272.63	1108.00	-1.02	.77	1.06	1.27	.36
1208.00	.41	358.76	1208.00	-.66	.64	.69	.92	.42
1308.00	.37	51.61	1307.99	-.10	.89	.15	.90	.35
1408.00	.48	27.26	1407.99	.48	1.33	-.39	1.42	.21
1508.00	.23	65.66	1507.99	.93	1.71	-.82	1.95	.33
1608.00	.55	78.87	1607.99	1.11	2.36	-.96	2.61	.33
1708.00	1.12	78.91	1707.98	1.39	3.79	-1.15	4.04	.57
1808.00	1.48	81.11	1807.95	1.77	6.03	-1.39	6.28	.36
1908.00	1.52	68.33	1907.92	2.46	8.54	-1.93	8.89	.34
2008.00	1.48	47.26	2007.88	3.83	10.72	-3.15	11.38	.55
2108.00	1.49	19.32	2107.85	5.93	12.10	-5.17	13.47	.72
2208.00	1.42	11.80	2207.82	8.37	12.78	-7.56	15.28	.20
2308.00	.93	20.87	2307.80	10.34	13.32	-9.49	16.87	.52
2408.00	.34	6.39	2407.79	11.40	13.64	-10.52	17.78	.61

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Distance FT	Dogleg Severity Deg/100
2508.00	.32	337.08	2507.79	11.95	13.57	-11.08	18.08	.17
2608.00	.50	10.45	2607.79	12.64	13.54	-11.77	18.52	.29
2708.00	.47	26.61	2707.78	13.43	13.80	-12.54	19.26	.14
2808.00	.25	25.04	2807.78	14.00	14.08	-13.09	19.85	.22
2908.00	.37	.86	2907.78	14.52	14.18	-13.60	20.29	.18
3008.00	.29	330.78	3007.78	15.06	14.06	-14.15	20.60	.19
3108.00	.12	14.87	3107.78	15.38	13.96	-14.48	20.77	.22
3208.00	.32	36.79	3207.78	15.71	14.15	-14.79	21.14	.21
3308.00	.20	16.21	3307.77	16.10	14.37	-15.17	21.58	.15
3408.00	.23	324.81	3407.77	16.43	14.30	-15.50	21.78	.19
3508.00	.35	17.53	3507.77	16.89	14.28	-15.96	22.11	.28
3608.00	.36	352.41	3607.77	17.49	14.33	-16.56	22.61	.15
3708.00	.72	352.09	3707.77	18.42	14.20	-17.50	23.26	.36
3808.00	.69	.08	3807.76	19.65	14.12	-18.73	24.19	.10
3908.00	.72	342.14	3907.75	20.85	13.93	-19.94	25.07	.22
4008.00	.65	330.75	4007.74	21.94	13.46	-21.06	25.74	.15
4108.00	.46	338.02	4107.74	22.81	13.03	-21.95	26.27	.20
4208.00	.47	348.61	4207.74	23.58	12.80	-22.74	26.83	.09
4308.00	.27	324.65	4307.73	24.17	12.58	-23.34	27.25	.25
4408.00	.47	347.34	4407.73	24.77	12.35	-23.95	27.68	.24
4508.00	.47	352.26	4507.73	25.57	12.21	-24.76	28.34	.04
4608.00	.58	344.34	4607.72	26.47	12.02	-25.67	29.07	.13
4708.00	.58	332.77	4707.72	27.40	11.65	-26.62	29.78	.12
4808.00	.50	335.99	4807.71	28.25	11.24	-27.50	30.41	.09
4908.00	.66	354.39	4907.71	29.23	11.01	-28.48	31.23	.24
5008.00	.69	12.13	5007.70	30.39	11.08	-29.64	32.34	.21
5108.00	.31	21.14	5107.70	31.23	11.30	-30.46	33.21	.39
5208.00	.46	11.93	5207.70	31.87	11.48	-31.09	33.88	.16
5308.00	.47	55.39	5307.69	32.50	11.90	-31.69	34.61	.34
5408.00	.44	22.33	5407.69	33.09	12.38	-32.25	35.33	.26
5543.00	.31	32.30	5542.69	33.88	12.78	-33.01	36.20	.11
5581.00	.34	187.72	5580.69	33.85	12.82	-32.98	36.20	1.67
5612.00	1.97	191.41	5611.68	33.24	12.70	-32.38	35.58	5.26
5644.00	4.21	195.70	5643.63	31.57	12.27	-30.74	33.87	7.03
5675.00	5.75	197.66	5674.51	28.99	11.49	-28.22	31.19	5.00
5707.00	6.78	197.85	5706.32	25.67	10.43	-24.96	27.70	3.22
5738.00	8.62	196.47	5737.04	21.70	9.21	-21.08	23.57	5.96
5769.00	10.60	196.01	5767.60	16.73	7.76	-16.21	18.44	6.39
5801.00	12.74	195.37	5798.94	10.49	6.02	-10.10	12.10	6.70
5832.00	14.77	194.94	5829.05	3.38	4.09	-3.12	5.31	6.56
5864.00	16.80	194.56	5859.84	-5.04	1.88	5.15	5.38	6.35
5900.00	20.23	194.60	5893.97	-16.10	-1.00	16.01	16.13	9.53
5925.00	22.45	194.58	5917.26	-24.90	-3.29	24.65	25.12	8.88
5957.00	24.90	195.18	5946.56	-37.32	-6.59	36.84	37.90	7.69
5988.00	26.28	193.69	5974.52	-50.29	-9.92	49.57	51.26	4.91

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Distance FT	Dogleg Severity Deg/100
6019.00	27.89	190.52	6002.12	-64.09	-12.87	63.16	65.37	6.97
6051.00	30.02	188.14	6030.12	-79.37	-15.37	78.26	80.85	7.57
6082.00	32.13	186.44	6056.67	-95.24	-17.39	93.97	96.82	7.37
6114.00	34.23	185.17	6083.45	-112.66	-19.16	111.25	114.28	6.91
6145.00	35.94	183.71	6108.82	-130.43	-20.53	128.89	132.03	6.14
6176.00	38.20	183.67	6133.55	-149.07	-21.73	147.43	150.65	7.29
6208.00	40.74	184.12	6158.25	-169.37	-23.11	167.59	170.94	7.99
6248.00	44.39	184.97	6187.71	-196.33	-25.26	194.37	197.95	9.24
6279.00	47.86	185.40	6209.19	-218.58	-27.29	216.45	220.28	11.24
6311.00	51.20	184.30	6229.96	-242.84	-29.34	240.53	244.60	10.76
6342.00	54.53	184.41	6248.67	-267.48	-31.21	265.01	269.29	10.75
6374.00	57.39	184.97	6266.58	-293.90	-33.38	291.24	295.79	9.05
6406.00	60.19	184.93	6283.16	-321.17	-35.75	318.31	323.15	8.75
6438.00	62.52	185.14	6298.50	-349.14	-38.21	346.07	351.22	7.30
6469.00	64.99	184.27	6312.21	-376.85	-40.49	373.58	379.02	8.36
6501.00	67.68	183.75	6325.05	-406.08	-42.54	402.63	408.30	8.54
6533.00	70.52	182.69	6336.47	-435.93	-44.21	432.31	438.16	9.40
6565.00	72.94	182.11	6346.50	-466.28	-45.48	462.53	468.50	7.76
6597.00	74.67	181.59	6355.42	-497.00	-46.48	493.12	499.16	5.63
6629.00	76.57	181.12	6363.37	-527.98	-47.21	524.00	530.09	6.11
6660.00	78.75	180.67	6370.00	-558.26	-47.68	554.19	560.29	7.17
6692.00	79.43	180.41	6376.05	-589.68	-47.98	585.53	591.63	2.27
6724.00	79.64	180.37	6381.86	-621.15	-48.19	616.93	623.01	.67
6756.00	80.37	180.95	6387.42	-652.66	-48.55	648.35	654.46	2.90
6787.00	82.43	181.24	6392.05	-683.30	-49.14	678.90	685.07	6.71
6819.00	86.88	181.48	6395.03	-715.15	-49.90	710.64	716.89	13.93
6851.00	89.23	181.19	6396.12	-747.12	-50.64	742.50	748.83	7.40
6883.00	90.03	181.75	6396.33	-779.11	-51.46	774.37	780.80	3.05
6915.00	90.57	180.87	6396.16	-811.10	-52.19	806.26	812.78	3.23
6947.00	90.74	180.68	6395.79	-843.09	-52.63	838.16	844.73	.80
6978.00	90.64	179.54	6395.42	-874.09	-52.69	869.09	875.68	3.69
7010.00	90.40	179.11	6395.13	-906.09	-52.31	901.05	907.60	1.53
7042.00	89.77	177.61	6395.08	-938.07	-51.39	933.03	939.48	5.09
7074.00	89.43	176.95	6395.30	-970.04	-49.88	965.03	971.32	2.32
7138.00	90.54	177.22	6395.32	-1033.95	-46.62	1029.02	1035.00	1.78
7202.00	90.70	174.83	6394.63	-1097.79	-42.19	1093.01	1098.60	3.74
7265.00	90.77	172.91	6393.82	-1160.42	-35.46	1155.94	1160.96	3.05
7329.00	89.19	171.62	6393.84	-1223.84	-26.85	1219.77	1224.13	3.19
7393.00	88.32	169.88	6395.23	-1286.98	-16.56	1283.44	1287.09	3.04
7457.00	88.42	170.50	6397.05	-1350.02	-5.66	1347.04	1350.04	.98
7520.00	89.03	170.25	6398.46	-1412.12	4.87	1409.67	1412.13	1.05
7584.00	89.26	169.81	6399.41	-1475.15	15.95	1473.26	1475.23	.78
7647.00	88.26	167.28	6400.77	-1536.87	28.46	1535.65	1537.14	4.32
7711.00	87.42	167.11	6403.19	-1599.24	42.63	1598.78	1599.80	1.34
7775.00	87.22	168.55	6406.18	-1661.73	56.11	1661.99	1662.67	2.27

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Distance FT	Dogleg Severity Deg/100
7839.00	87.32	170.22	6409.23	-1724.56	67.88	1725.43	1725.89	2.61
7902.00	86.78	170.07	6412.47	-1786.55	78.65	1787.97	1788.28	.89
7966.00	86.85	171.74	6416.03	-1849.64	88.75	1851.57	1851.77	2.61
8029.00	87.21	174.13	6419.29	-1912.07	96.49	1914.37	1914.51	3.83
8092.00	87.59	175.25	6422.15	-1974.74	102.31	1977.27	1977.39	1.88
8156.00	88.46	175.21	6424.35	-2038.48	107.63	2041.22	2041.32	1.36
8219.00	88.49	176.08	6426.03	-2101.27	112.41	2104.19	2104.28	1.38
8283.00	89.70	177.01	6427.04	-2165.15	116.27	2168.18	2168.27	2.38
8347.00	90.37	177.68	6427.00	-2229.08	119.24	2232.17	2232.26	1.48
8411.00	90.54	176.87	6426.49	-2293.00	122.28	2296.16	2296.26	1.29
8474.00	90.50	177.62	6425.92	-2355.93	125.31	2359.15	2359.26	1.19
8538.00	90.44	177.73	6425.40	-2419.87	127.90	2423.14	2423.25	.20
8601.00	89.80	176.94	6425.27	-2482.80	130.83	2486.13	2486.25	1.61
8665.00	89.46	176.72	6425.68	-2546.70	134.37	2550.12	2550.25	.63
8729.00	89.13	176.05	6426.47	-2610.57	138.41	2614.12	2614.24	1.17
8793.00	88.93	175.98	6427.55	-2674.41	142.85	2678.11	2678.22	.33
8856.00	88.66	176.00	6428.88	-2737.24	147.26	2741.09	2741.20	.43
8920.00	88.89	175.87	6430.24	-2801.06	151.79	2805.08	2805.17	.41
8983.00	88.76	175.80	6431.54	-2863.88	156.37	2868.06	2868.15	.23
9047.00	88.99	175.66	6432.79	-2927.69	161.13	2932.04	2932.12	.42
9110.00	88.79	176.37	6434.01	-2990.53	165.51	2995.03	2995.11	1.17
9174.00	89.75	176.19	6434.83	-3054.39	169.66	3059.02	3059.10	1.53
9238.00	89.87	175.78	6435.04	-3118.23	174.14	3123.02	3123.09	.67
9301.00	89.90	175.60	6435.17	-3181.05	178.88	3186.01	3186.08	.29
9365.00	90.13	176.22	6435.15	-3244.89	183.44	3250.01	3250.07	1.03
9429.00	90.00	176.18	6435.08	-3308.75	187.68	3314.01	3314.07	.21
9493.00	88.35	176.26	6436.00	-3372.60	191.90	3378.00	3378.06	2.58
9556.00	88.46	176.98	6437.75	-3435.47	195.61	3440.98	3441.03	1.16
9620.00	88.39	177.84	6439.51	-3499.38	198.51	3504.94	3505.00	1.35
9684.00	87.99	177.25	6441.53	-3563.28	201.25	3568.90	3568.96	1.11
9747.00	88.76	177.71	6443.32	-3626.20	204.01	3631.86	3631.93	1.42
9811.00	88.69	177.65	6444.74	-3690.13	206.60	3695.83	3695.91	.14
9874.00	88.66	177.40	6446.20	-3753.05	209.32	3758.80	3758.89	.40
Projection To TD								
9929.00	88.63	177.18	6447.50	-3807.98	211.92	3813.78	3813.87	.40

WR-35
Rev (8-10)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 06/27/2011
API #: 47-103-02570
TOP HOLE

Farm name: Maury, Dorthy M. Operator Well No.: Maury et al Unit 1 #2H

LOCATION: Elevation: 730' Quadrangle: Porter Falls

District: Magnolia County: Wetzel
Latitude: 3,010 Feet South of 39 Deg. 37 Min. 30 Sec.
Longitude 9,300 Feet West of 80 Deg. 45 Min. 00 Sec.

Company: Stone Energy Corporation

Address: 6000 Hampton Center, Suite B	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Morgantown, WV 26505	20"	35'	35'	Sanded In
Agent: Richard Toothman	13 3/8"	653'	653'	684
Inspector: Dave Scranage	9 5/8"	2,140'	2,140'	738
Date Permit Issued: 9/16/2010				
Date Well Work Commenced: 10/19/2010				
Date Well Work Completed: Not Yet TD'd				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft): 2,170				
Total Measured Depth (ft): 2,170				
Fresh Water Depth (ft.): 35				
Salt Water Depth (ft.): 1,876				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 530				
Void(s) encountered (N/Y) Depth(s) None				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation_____ Pay zone depth (ft)_____
Gas: Initial open flow_____ MCF/d Oil: Initial open flow_____ Bbl/d
Final open flow_____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests_____ Hours
Static rock Pressure_____ psig (surface pressure) after _____ Hours

Second producing formation_____ Pay zone depth (ft)_____
Gas: Initial open flow_____ MCF/d Oil: Initial open flow_____ Bbl/d
Final open flow_____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests_____ Hours
Static rock Pressure_____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

W. [illegible]
Signature

6/28/2011
Date

Were core samples taken? Yes_____ No X

Were cuttings caught during drilling? Yes X No_____

Were N Electrical, N Mechanical, N or Geophysical logs recorded on this well?
Y/N Y/N Y/N

NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Not yet drilled to total TD and completed

Formations Encountered: Top Depth / Bottom Depth
Surface:

Depths from "Driller's Log Book"

Sandstone and Shale	Surface to 290	Big Injun	1815 to 1983
Red Rock	290 to 312	Shale	1983 to 2170
Sandstone and Shale	312 to 333	TD @ 2170	
Red Rock	333 to 338		
Sandstone and Shale	338 to 360		
Red Rock	360 to 367		
Sandstone and Shale	367 to 383		
Red Rock	383 to 394		
Sandstone and Shale	394 to 530		
Pittsburgh Coal	530 to 534		
Sandstone and Shale	534 to 1650		
Little Lime	1650 to 1670		
Big Lime	1670 to 1815		

WR-35
Rev (8-10)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 06/28/2011
API #: 47-103-02571
TOP HOLE

Farm name: Maury, Dorthy M. et al Operator Well No.: Maury et al Unit 1 #3H

LOCATION: Elevation: 729' Quadrangle: Porter Falls

District: Magnolia County: Wetzel
Latitude: 3,030 Feet South of 39 Deg. 37 Min. 30 Sec.
Longitude 9,310 Feet West of 80 Deg. 45 Min. 00 Sec.

Company: Stone Energy Corporation

Address: 6000 Hampton Center, Suite B	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Morgantown, WV 26505	20"	35'	35'	Sanded In
Agent: Richard Toothman	13 3/8"	677'	677'	634
Inspector: Dave Scranage	9 5/8"	2,140'	2,140'	732
Date Permit Issued: 9/16/2010				
Date Well Work Commenced: 10/25/2010				
Date Well Work Completed: Not Yet TD'd				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft): 2,170				
Total Measured Depth (ft): 2,170				
Fresh Water Depth (ft.): 53				
Salt Water Depth (ft.): 1,881				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 530				
Void(s) encountered (N/Y) Depth(s) None				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation_____ Pay zone depth (ft)_____
Gas: Initial open flow_____ MCF/d Oil: Initial open flow_____ Bbl/d
Final open flow_____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests_____ Hours
Static rock Pressure_____ psig (surface pressure) after _____ Hours

Second producing formation_____ Pay zone depth (ft)_____
Gas: Initial open flow_____ MCF/d Oil: Initial open flow_____ Bbl/d
Final open flow_____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests_____ Hours
Static rock Pressure_____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

W. [illegible]
Signature

6/28/2011
Date

Were core samples taken? Yes_____ No X

Were cuttings caught during drilling? Yes X No_____

Were N Electrical, N Mechanical, N or Geophysical logs recorded on this well?
Y/N Y/N Y/N

NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Not yet drilled to total TD and completed

Formations Encountered: Top Depth / Bottom Depth
Surface:

Depths from "Driller's Log Book"

Sandstone and Shale	Surface to 290	Big Injun	1815 to 1970
Red Rock	290 to 312	Shale	1970 to 2170
Sandstone and Shale	312 to 333	TD @ 2170	
Red Rock	333 to 338		
Sandstone and Shale	338 to 360		
Red Rock	360 to 367		
Sandstone and Shale	367 to 383		
Red Rock	383 to 394		
Sandstone and Shale	394 to 530		
Pittsburgh Coal	530 to 534		
Sandstone and Shale	534 to 1652		
Little Lime	1652 to 1674		
Big Lime	1674 to 1815		

WR-35
Rev (8-10)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: June 23, 2011
API #: 47-103-02587

Farm name: Wheeling Jesuit University
Operator Well No.: Lantz-Mills Unit 3 #5H

LOCATION: Elevation: 768'
Quadrangle: Pine Grove

District: Grant
County: Wetzel
Latitude: 6780 Feet South of 39 Deg. 32 Min. 30 Sec.
Longitude 6520 Feet West of 80 Deg. 37 Min. 30 Sec.

Company: Stone Energy Corporation

Address: 6000 Hampton Center, Suite B	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Morgantown, WV 26505	20"	24'	24'	Sanded In
Agent: Richard Toothman	13-3/8"	622'	622'	678
Inspector: David Scranage/ Derek Haught	9-5/8"	2152'	2152'	945
Date Permit Issued: 02/26/2010	5-1/2"		12712'	3120
Date Well Work Commenced: 12/14/2010	2-3/8"		7494'	
Date Well Work Completed: 06/17/2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft): 6879				
Total Measured Depth (ft): 12788				
Fresh Water Depth (ft.): None Reported				
Salt Water Depth (ft.): 1224				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 490				
Void(s) encountered (N/Y) Depth(s) None				

OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation Marcellus Shale Pay zone depth (ft) 7735' to 12526'
Gas: Initial open flow 1039 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 2800 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 392 Hours
Static rock Pressure 3380 psig (surface pressure) after 14 Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

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WV DEP
JUL - 1 2011
Office of
Oil and Gas

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Signature

6/27/2011
Date

Were core samples taken? Yes_____ No X

Were cuttings caught during drilling? Yes X No_____

Were Y Electrical, N Mechanical, Y or Geophysical logs recorded on this well?
Y/N Y/N Y/N

NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

Perforated interval from 7,735' MD to 12,526' MD.
Performed an 12 stage slick water frac.
Injected 23,890 gal of 15% HCl, 5,011,908 gal of water, 679,220 lbs of 80/100 Mesh sand, and
4,558,930 lbs of 40/70 Mesh sand.
Average injection rate was 82.6 BPM.

Formations Encountered: Top Depth / Bottom Depth
Surface:

** NOTE: See Attached Sheet for Formation Depths

Stone Energy Corporation
Lantz-Mills Unit 3 #5H (API # 47-103-02587)
WR-35 Well Operator's Report of Well Work
Formations Encountered

	Top		Bottom	
	TVD (ft)	MD (ft)	TVD (ft)	MD (ft)
Sandstone and shale	0 *		490	
Pittsburgh coal	490 *		494	
Sandstone and shale	494 *		1685	
Little Lime	1685 *		1705	
Limestone	1705		1715	
Big Lime	1715 *		1860	
Big Injun sandstone	1860 *		1944	
Shale	1944 *		2135	
Weir sandstone	2135 *		2137	
Shale	2137 *		2346	
Berea sandstone	2346 *		2366	
Shale	2366 *		2550	
Gordon sandstone	2550 *		2650	
Shale	2650 *		4853	
Riley shale	4853 *		4908	
Shale	4908 *		4960	
Benson siltstone	4960 *		4690	
Shale	4990 *		5208	
Pipe Creek shale	5208 *		5211	
Shale	5211 *		5217	
Lower Alexander shale	5217 *		5329	
Shale	5329 *		6140	
Rhinestreet shale	6141	6150	6400	
Cashaqua shale	6390	6438	6535	
Middlesex shale	6550	6690	6560	
West River shale	6570	6715	6652	
Geneseo shale	6656	6940	6673	
Tully limestone	6682	6990	6735	
Hamilton shale	6750	7274	6758	
Marcellus shale	6778	7462	6831	
TD	6879	12788		

* Formation elevations estimated from pilot hole.

Job Number: ▯	State/Country: ▯
Company: ▯	Declination: ▯
Lease/Well: ▯ Lantz-Mills Unit 3 #5H	Grid: ▯
Location: ▯	File name: D:\WINSERVE\JOBS\L-M-#5H.SVY
Rig Name: ▯	Date/Time: 23-Jan-11 / 05:00
RKB: ▯	Curve Name: D:\WINSERVE\JOBS\LANTZ-~1.TXT
G.L. or M.S.L.: ▯	

Scientific Drilling

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 153.82
Vertical Section Referenced to Wellhead
Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Distance FT	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00
108.00	.06	187.24	108.00	-.06	-.01	.05	.06	.06
208.00	.07	185.15	208.00	-.17	-.02	.14	.17	.01
308.00	.07	283.02	308.00	-.22	-.08	.16	.23	.11
408.00	.04	278.66	408.00	-.20	-.18	.10	.27	.03
508.00	.08	288.56	508.00	-.17	-.28	.03	.33	.04
608.00	.10	236.46	608.00	-.20	-.42	-.01	.46	.08
708.00	.67	221.16	708.00	-.68	-.88	.23	1.11	.57
808.00	.65	231.66	807.99	-1.48	-1.71	.57	2.26	.12
908.00	.85	231.99	907.98	-2.28	-2.73	.84	3.56	.20
1008.00	2.05	233.77	1007.95	-3.80	-4.76	1.31	6.09	1.20
1108.00	2.25	234.65	1107.88	-5.99	-7.81	1.93	9.84	.20
1208.00	2.44	230.29	1207.79	-8.49	-11.04	2.74	13.93	.26
1308.00	2.11	214.77	1307.72	-11.36	-13.73	4.14	17.82	.70
1408.00	1.47	188.92	1407.67	-14.14	-14.98	6.08	20.60	1.01
1508.00	1.69	123.87	1507.64	-16.23	-13.95	8.41	21.40	1.71
1608.00	2.13	82.99	1607.59	-16.82	-10.89	10.29	20.04	1.40
1708.00	1.24	50.32	1707.54	-15.91	-8.21	10.65	17.90	1.28
1808.00	.49	268.12	1807.54	-15.23	-7.80	10.22	17.11	1.65
1908.00	.27	238.99	1907.54	-15.36	-8.43	10.07	17.53	.29
2008.00	.37	74.57	2007.53	-15.40	-8.32	10.15	17.50	.63
2108.00	1.27	1.09	2107.52	-14.21	-7.99	9.22	16.30	1.22
2208.00	1.55	354.19	2207.49	-11.75	-8.11	6.97	14.28	.33
2243.70	1.87	340.17	2243.18	-10.72	-8.35	5.94	13.59	1.47
2334.00	1.51	338.19	2333.44	-8.23	-9.29	3.29	12.42	.40

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Distance FT	Dogleg Severity Deg/100
2425.00	1.30	343.47	2424.41	-6.13	-10.03	1.07	11.76	.27
2519.00	2.08	312.16	2518.37	-3.96	-11.60	-1.56	12.26	1.26
2613.00	3.26	303.38	2612.27	-1.35	-15.10	-5.45	15.16	1.32
2707.00	4.07	287.41	2706.08	1.12	-20.51	-10.06	20.54	1.38
2801.00	3.93	272.93	2799.85	2.29	-26.91	-13.92	27.01	1.08
2895.00	4.05	272.10	2893.62	2.57	-33.45	-17.06	33.55	.14
2988.00	4.34	260.14	2986.38	2.09	-40.20	-19.61	40.25	.99
3081.00	4.67	266.63	3079.09	1.27	-47.44	-22.07	47.46	.65
3174.00	4.74	267.31	3171.78	.86	-55.06	-25.07	55.07	.10
3267.00	4.73	264.85	3264.46	.34	-62.72	-27.97	62.72	.22
3361.00	4.86	264.90	3358.13	-.36	-70.54	-30.80	70.54	.14
3456.00	4.99	266.97	3452.78	-.94	-78.68	-33.87	78.68	.23
3550.00	4.14	263.91	3546.48	-1.51	-86.13	-36.64	86.15	.94
3643.00	3.39	275.97	3639.28	-1.58	-92.21	-39.26	92.22	1.17
3734.00	2.12	283.35	3730.17	-.92	-96.52	-41.76	96.53	1.45
3833.00	1.58	279.32	3829.12	-.27	-99.65	-43.72	99.65	.56
3933.00	1.00	275.84	3929.10	.04	-101.88	-44.98	101.88	.59
4041.00	.80	263.97	4037.08	.06	-103.57	-45.74	103.57	.25
4141.00	.62	254.72	4137.07	-.16	-104.78	-46.09	104.78	.21
4241.00	.64	227.72	4237.07	-.68	-105.72	-46.03	105.72	.29
4369.00	.82	218.85	4365.06	-1.87	-106.82	-45.45	106.84	.17
4646.00	.66	212.56	4642.04	-4.76	-108.92	-43.79	109.03	.06
4838.00	.78	188.13	4834.02	-6.98	-109.70	-42.13	109.93	.17
4938.00	.60	197.25	4934.01	-8.16	-109.95	-41.19	110.26	.21
5248.00	.54	196.25	5244.00	-11.11	-110.84	-38.93	111.40	.02
5551.00	.47	186.54	5546.99	-13.72	-111.39	-36.83	112.23	.04
5614.00	.44	176.90	5609.98	-14.21	-111.40	-36.39	112.31	.13
5678.00	.35	185.30	5673.98	-14.65	-111.41	-36.00	112.37	.17
5741.00	.35	177.85	5736.98	-15.04	-111.42	-35.66	112.43	.07
5805.00	.25	201.27	5800.98	-15.36	-111.46	-35.39	112.51	.24
5836.00	.27	202.38	5831.98	-15.49	-111.51	-35.29	112.58	.07
5868.00	1.53	192.65	5863.98	-15.98	-111.64	-34.91	112.77	3.95
5900.00	3.69	193.57	5895.94	-17.40	-111.97	-33.79	113.31	6.75
5932.00	5.76	194.52	5927.83	-19.95	-112.61	-31.78	114.37	6.47
5964.00	7.90	197.33	5959.60	-23.61	-113.67	-28.96	116.10	6.77
5996.00	9.92	196.88	5991.21	-28.35	-115.13	-25.36	118.57	6.32
6028.00	11.77	194.70	6022.64	-34.14	-116.76	-20.87	121.65	5.92
6059.00	13.49	192.24	6052.89	-40.73	-118.33	-15.65	125.14	5.81
6091.00	15.90	190.89	6083.84	-48.69	-119.95	-9.23	129.45	7.61
6123.00	18.46	190.72	6114.41	-57.97	-121.72	-1.68	134.82	8.00
6155.00	20.60	191.41	6144.57	-68.47	-123.77	6.84	141.45	6.73
6186.00	22.33	192.49	6173.42	-79.56	-126.13	15.76	149.12	5.72
6218.00	24.63	193.53	6202.77	-91.98	-129.00	25.63	158.44	7.30
6250.00	27.01	194.30	6231.57	-105.51	-132.36	36.29	169.26	7.51
6281.00	29.32	194.75	6258.90	-119.67	-136.03	47.38	181.18	7.48

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Distance FT	Dogleg Severity Deg/100
6313.00	31.21	194.80	6286.53	-135.27	-140.14	59.56	194.77	5.91
6345.00	33.00	194.48	6313.64	-151.72	-144.44	72.43	209.48	5.62
6377.00	35.38	194.06	6340.11	-169.15	-148.87	86.12	225.33	7.47
6409.00	38.08	193.29	6365.75	-187.74	-153.39	100.81	242.44	8.56
6440.00	40.23	193.21	6389.79	-206.79	-157.87	115.93	260.17	6.94
6472.00	41.93	191.83	6413.91	-227.32	-162.43	132.34	279.39	6.02
6504.00	43.84	192.07	6437.36	-248.62	-166.94	149.47	299.47	5.99
6536.00	45.75	190.98	6460.06	-270.72	-171.44	167.31	320.43	6.43
6568.00	47.93	191.74	6481.95	-293.60	-176.04	185.81	342.33	7.03
6600.00	50.42	191.04	6502.87	-317.33	-180.82	205.00	365.23	7.96
6632.00	52.44	190.80	6522.82	-341.90	-185.56	224.96	389.01	6.34
6664.00	54.45	190.57	6541.88	-367.16	-190.32	245.52	413.55	6.31
6696.00	56.59	190.14	6559.99	-393.10	-195.06	266.72	438.84	6.78
6727.00	59.40	190.78	6576.42	-418.95	-199.83	287.81	464.17	9.23
6759.00	60.57	190.66	6592.43	-446.18	-204.99	309.97	491.01	3.67
6791.00	62.26	192.14	6607.74	-473.72	-210.54	332.23	518.40	6.66
6823.00	64.16	191.96	6622.16	-501.65	-216.51	354.67	546.38	5.96
6855.00	65.59	192.51	6635.75	-529.97	-222.65	377.37	574.84	4.73
6886.00	67.63	193.37	6648.05	-557.70	-229.02	399.44	602.89	7.06
6918.00	69.68	192.46	6659.70	-586.74	-235.68	422.57	632.31	6.93
6950.00	70.84	191.69	6670.51	-616.20	-241.98	446.22	662.01	4.27
6982.00	71.57	189.02	6680.82	-645.99	-247.42	470.56	691.76	8.22
7013.00	72.62	186.57	6690.35	-675.22	-251.42	495.02	720.51	8.25
7045.00	73.58	183.40	6699.66	-705.72	-254.08	521.22	750.06	9.94
7077.00	74.91	181.71	6708.35	-736.48	-255.45	548.22	779.52	6.57
7108.00	76.77	180.07	6715.93	-766.53	-255.92	574.99	808.12	7.89
7140.00	77.55	177.49	6723.04	-797.72	-255.25	603.27	837.56	8.23
7172.00	77.98	174.09	6729.83	-828.91	-252.95	632.27	866.64	10.47
7204.00	78.64	171.95	6736.31	-860.01	-249.15	661.86	895.37	6.87
7236.00	79.22	169.62	6742.46	-891.00	-244.12	691.90	923.84	7.37
7268.00	79.20	166.61	6748.45	-921.76	-237.64	722.35	951.90	9.24
7299.00	79.18	164.23	6754.26	-951.23	-229.98	752.18	978.63	7.54
7331.00	79.22	161.24	6760.26	-981.24	-220.65	783.23	1005.74	9.18
7363.00	80.54	159.86	6765.88	-1010.94	-210.16	814.51	1032.56	5.92
7395.00	81.93	157.67	6770.76	-1040.42	-198.71	846.02	1059.22	8.04
7426.00	83.54	155.25	6774.68	-1068.61	-186.42	876.73	1084.75	9.32
7458.00	83.56	152.03	6778.28	-1097.10	-172.31	908.53	1110.54	10.00
7490.00	83.97	150.13	6781.75	-1124.94	-156.93	940.30	1135.83	6.04
7522.00	86.06	148.70	6784.53	-1152.38	-140.71	972.08	1160.94	7.90
7554.00	88.15	147.05	6786.15	-1179.44	-123.71	1003.87	1185.91	8.32
7586.00	87.21	143.92	6787.44	-1205.78	-105.60	1035.50	1210.40	10.21
7617.00	87.75	141.34	6788.81	-1230.40	-86.80	1065.88	1233.45	8.50
7649.00	88.96	139.99	6789.73	-1255.13	-66.53	1097.02	1256.90	5.66
7681.00	89.87	139.72	6790.05	-1279.59	-45.90	1128.07	1280.42	2.97
7713.00	90.64	139.82	6789.91	-1304.02	-25.23	1159.12	1304.27	2.43

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Distance FT	Dogleg Severity Deg/100
7777.00	86.97	136.06	6791.24	-1351.51	17.62	1220.64	1351.63	8.21
7840.00	87.07	134.04	6794.52	-1396.04	62.06	1280.20	1397.42	3.21
7904.00	87.61	134.19	6797.49	-1440.54	107.96	1340.39	1444.58	.88
7968.00	87.24	135.72	6800.37	-1485.71	153.21	1400.89	1493.59	2.46
8031.00	87.24	135.26	6803.40	-1530.59	197.32	1460.62	1543.25	.73
8094.00	88.08	135.43	6805.97	-1575.37	241.56	1520.33	1593.78	1.36
8158.00	88.75	135.59	6807.74	-1621.00	286.39	1581.06	1646.11	1.08
8222.00	89.33	134.70	6808.81	-1666.37	331.53	1641.68	1699.02	1.66
8286.00	88.99	135.87	6809.75	-1711.84	376.55	1702.36	1752.76	1.90
8349.00	89.16	137.24	6810.77	-1757.57	419.87	1762.51	1807.03	2.19
8412.00	89.73	138.53	6811.38	-1804.30	462.11	1823.08	1862.54	2.24
8476.00	89.66	138.38	6811.72	-1852.20	504.56	1884.80	1919.70	.26
8539.00	88.79	138.75	6812.57	-1899.43	546.24	1945.57	1976.41	1.50
8603.00	88.99	138.91	6813.81	-1947.60	588.37	2007.38	2034.53	.40
8667.00	89.76	138.87	6814.51	-1995.81	630.45	2069.22	2093.02	1.20
8731.00	89.06	139.65	6815.17	-2044.30	672.21	2131.16	2151.98	1.64
8794.00	89.26	139.83	6816.09	-2092.37	712.92	2192.26	2210.49	.43
8858.00	88.42	140.03	6817.39	-2141.34	754.11	2254.37	2270.25	1.35
8922.00	88.25	139.65	6819.25	-2190.23	795.37	2316.45	2330.18	.65
8986.00	88.69	139.84	6820.96	-2239.06	836.71	2378.51	2390.28	.75
9049.00	88.89	140.26	6822.29	-2287.34	877.15	2439.68	2449.76	.74
9112.00	88.72	140.02	6823.60	-2335.69	917.52	2500.88	2509.44	.47
9176.00	88.45	140.63	6825.18	-2384.93	958.37	2563.09	2570.29	1.04
9239.00	89.39	141.50	6826.37	-2433.93	997.95	2624.53	2630.57	2.03
9303.00	88.55	141.12	6827.52	-2483.88	1037.95	2687.00	2692.02	1.44
9367.00	88.22	141.71	6829.32	-2533.88	1077.85	2749.48	2753.60	1.06
9430.00	88.45	140.92	6831.15	-2583.04	1117.21	2810.96	2814.29	1.31
9494.00	88.69	139.83	6832.75	-2632.32	1158.02	2873.18	2875.78	1.74
9558.00	89.29	140.07	6833.88	-2681.30	1199.19	2935.31	2937.25	1.01
9622.00	89.46	139.68	6834.58	-2730.24	1240.43	2997.42	2998.81	.66
9685.00	89.43	138.50	6835.19	-2777.84	1281.69	3058.34	3059.27	1.87
9749.00	89.90	137.73	6835.56	-2825.49	1324.41	3119.95	3120.49	1.41
9813.00	90.40	137.51	6835.39	-2872.77	1367.55	3181.41	3181.66	.85
9877.00	89.83	137.46	6835.27	-2919.94	1410.80	3242.83	3242.90	.89
9940.00	89.56	137.30	6835.60	-2966.30	1453.46	3303.25	3303.25	.50
10003.00	89.87	137.06	6835.92	-3012.51	1496.28	3363.61	3363.64	.62
10067.00	90.64	136.90	6835.63	-3059.30	1539.95	3424.86	3425.02	1.23
10131.00	89.70	137.08	6835.44	-3106.10	1583.60	3486.12	3486.49	1.50
10194.00	89.87	136.93	6835.68	-3152.17	1626.56	3546.43	3547.10	.36
10258.00	89.03	136.68	6836.29	-3198.83	1670.37	3607.62	3608.69	1.37
10321.00	88.46	136.49	6837.67	-3244.58	1713.65	3667.78	3669.32	.95
10385.00	89.16	136.55	6839.00	-3291.01	1757.68	3728.87	3730.98	1.10
10448.00	88.42	136.90	6840.33	-3336.87	1800.86	3789.07	3791.81	1.30
10511.00	88.05	136.35	6842.27	-3382.64	1844.11	3849.23	3852.66	1.05
10574.00	88.86	137.42	6843.97	-3428.61	1887.15	3909.47	3913.66	2.13

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Distance FT	Dogleg Severity Deg/100
10638.00	89.83	138.50	6844.70	-3476.14	1930.00	3971.03	3975.98	2.27
10702.00	90.60	139.19	6844.46	-3524.32	1972.12	4032.86	4038.58	1.62
10765.00	90.07	139.03	6844.09	-3571.95	2013.36	4093.79	4100.30	.88
10829.00	90.03	139.20	6844.04	-3620.34	2055.25	4155.69	4163.04	.27
10893.00	90.34	139.10	6843.83	-3668.75	2097.11	4217.61	4225.82	.51
10956.00	89.50	139.45	6843.92	-3716.49	2138.21	4278.59	4287.69	1.44
11019.00	89.23	138.08	6844.62	-3763.86	2179.73	4339.42	4349.47	2.22
11083.00	89.90	138.25	6845.10	-3811.55	2222.42	4401.04	4412.15	1.08
11147.00	89.36	137.54	6845.52	-3859.03	2265.33	4462.59	4474.80	1.39
11210.00	88.32	137.96	6846.79	-3905.65	2307.68	4523.11	4536.46	1.78
11274.00	88.36	137.32	6848.64	-3952.92	2350.78	4584.55	4599.11	1.00
11338.00	89.23	137.29	6849.99	-3999.95	2394.17	4645.90	4661.72	1.36
11401.00	89.40	137.63	6850.74	-4046.36	2436.76	4706.34	4723.44	.60
11465.00	88.96	138.18	6851.66	-4093.85	2479.66	4767.88	4786.26	1.10
11529.00	88.76	138.42	6852.93	-4141.62	2522.23	4829.53	4849.19	.49
11592.00	88.83	138.85	6854.26	-4188.90	2563.85	4890.32	4911.23	.69
11656.00	88.93	139.15	6855.51	-4237.19	2605.83	4952.18	4974.35	.49
11719.00	89.56	138.80	6856.34	-4284.71	2647.18	5013.07	5036.50	1.14
11783.00	89.90	138.71	6856.64	-4332.83	2689.38	5074.87	5099.63	.55
11846.00	90.30	138.23	6856.53	-4380.00	2731.14	5135.62	5161.74	.99
11910.00	89.26	138.50	6856.78	-4427.83	2773.66	5197.31	5224.83	1.68
11974.00	88.56	138.48	6857.99	-4475.74	2816.07	5259.02	5287.96	1.09
12038.00	88.16	138.45	6859.83	-4523.63	2858.49	5320.71	5351.10	.63
12107.00	88.66	138.85	6861.74	-4575.41	2904.06	5387.28	5419.22	.93
12165.00	89.26	139.23	6862.79	-4619.20	2942.07	5443.35	5476.57	1.22
12228.00	89.19	139.66	6863.65	-4667.06	2983.03	5504.37	5538.95	.69
12291.00	88.33	139.33	6865.01	-4714.95	3023.94	5565.40	5601.34	1.46
12355.00	87.38	139.59	6867.40	-4763.56	3065.51	5627.35	5664.70	1.54
12418.00	87.32	139.58	6870.32	-4811.47	3106.31	5688.35	5727.08	.10
12481.00	87.72	139.23	6873.04	-4859.26	3147.27	5749.31	5789.45	.84
12544.00	88.53	139.48	6875.10	-4907.04	3188.28	5810.28	5851.85	1.35
12608.00	89.33	139.66	6876.30	-4955.75	3229.78	5872.30	5915.31	1.28
12672.00	89.16	139.32	6877.14	-5004.40	3271.35	5934.31	5978.77	.59
12733.00	88.96	139.70	6878.14	-5050.79	3310.95	5993.41	6039.27	.70

WR-35
Rev (9-11)

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas
Well Operator's Report of Well Work

DATE: 10/19/11
API #: 47-103-02671

Farm name: John & Florence Kilcoyne Operator Well No.: 511405

LOCATION: Elevation: 857' Quadrangle: Big Run

District: Grant County: Wetzel
Latitude: 8280 Feet South of 39 Deg. 35 Min. 0 Sec.
Longitude 5340 Feet West of 80 Deg. 32 Min. 30 Sec.

Company: EQT Production Company

Address: 1710 Pennsylvania Avenue	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Charleston, WV 25302	20"	40'	40'	33.68 cu ft
Agent: Rex C. Ray	13 3/8"	54'	54'	61.76 cu ft
Inspector: Derek Haught				
Date Permit Issued: 6/3/11				
Date Well Work Commenced: 10/15/11				
Date Well Work Completed: 10/18/11				
Verbal Plugging: YES				
Date Permission granted on: 10/17/11				
Rotary ☑ Cable ☐ Rig ☐				
Total Vertical Depth (ft): 332'				
Total Measured Depth (ft): 332'				
Fresh Water Depth (ft.): 46', 211'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): None reported				
Void(s) encountered (N/Y) Depth(s) N				

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OPEN FLOW DATA (If more than two producing formations please include additional data on separate sheet)
Producing formation_____ Pay zone depth (ft)_____
Gas: Initial open flow_____ MCF/d Oil: Initial open flow_____ Bbl/d
Final open flow_____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests_____ Hours
Static rock Pressure_____ psig (surface pressure) after _____ Hours

Second producing formation_____ Pay zone depth (ft)_____
Gas: Initial open flow_____ MCF/d Oil: Initial open flow_____ Bbl/d
Final open flow_____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests_____ Hours
Static rock Pressure_____ psig (surface pressure) after _____ Hours

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and all the attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe that the information is true, accurate, and complete.

Mike Bartolo
Signature

11/2/2011
Date

Were core samples taken? Yes_____ No X

Were cuttings caught during drilling? Yes_____ No X

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list_____

NOTE: IN THE AREA BELOW 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 THE TOPS AND BOTTOMS OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE FROM SURFACE TO TOTAL DEPTH.

Perforated Intervals, Fracturing, or Stimulating:

None Performed

Plug Back Details Including Plug Type and Depth(s): Plugged & Abandoned

Formations Encountered:	Top Depth	/	Bottom Depth
Surface:			
Silt & Sand	0	/	140'
Sandstone	140'	/	332'

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