WR-35
Rev (8-10)
Page 1 of 2

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

DATE: JUN 28 2011
API No: 47-001-03148H
Lease No: 77232

Farm Name: WARDER, MARY MORRIS Operator Well No. PHL1BHS (405835)

LOCATION: Elevation: 1324' Quadrangle: Philippi

District: Pleasant County: Barbour

Latitude: 6,125 Feet South of: 39 Deg. 12 Min. 30 Sec.

Longitude: 5,230 Feet West of: 80 Deg. 00 Min. 00 Sec.

Company: CNX Gas Company LLC formerly Consol Gas Company

	Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 1248				
Jane Lew, WV 26301				
Agent: Kent Wright				
Inspector: Bryan Harris				
Date Permit Issued: 06/23/2010				
Date Well Work Commenced: 02/16/2011	30"	40'	40'	Grouted In
Date Well Work Completed: 2011/03/17				
Verbal Plugging: 3/16/2011				
Date Permission granted on: 3/16/2011				
Rotary X **Cable** **Rig**				
Total Vertical Depth (feet):				
Total Measured Depth (feet):				
Fresh Water Depth (ft.): 80', 120', 230', 266', 278'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)?: No				
Coal Depths (ft.): N/A				
Void(s) encountered (N/Y) Depth(s)				

RECEIVED
WV DEP
JUN 29 2011
Office of
Oil and Gas

OPEN FLOW DATA 2011/03/16 - WVDEP GAVE VERBAL AGREEMENT TO P&A. PLAN TO PLUG WELL BACK TO SURFACE.

Producing formation _____ Pay zone depth (ft) _____

Gas: Initial open flow _____ MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow _____ MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 12 Hours

Static Rock Pressure _____ psig (surface pressure) after 12 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 6-20-11

AH
BC

WELL: **PHL1BHS (405835)**

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?

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:

3/16/2011 WVDEP GAVE VERBAL AGREEMENT TO P&A. PLAN TO PLUG WELL BACK TO SURFACE.

FORMATIONS ENCOUNTERED:

WR-35
Rev (8-10)
Page 1 of 2

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

DATE: JUN 28 2011
API No: 47-001-03150H
Lease No: 77232

Farm Name: WARDER, MARY MORRIS Operator Well No. PHL1DHS (405839)

LOCATION: Elevation: 1324' Quadrangle: Philippi

District: Pleasant County: Barbour

Latitude: 6,165 Feet South of: 39 Deg. 12 Min. 30 Sec.

Longitude: 5,230 Feet West of: 80 Deg. 00 Min. 00 Sec.

Company: CNX Gas Company LLC formerly Consol Gas Company

	Casing and Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P.O. Box 1248				
Jane Lew, WV 26301				
Agent: Kent Wright				
Inspector: Bryan Harris				
Date Permit Issued: 06/23/2010				
Date Well Work Commenced: 04/19/2011	30"	40'	40'	Grouted In
Date Well Work Completed: 2011/04/27				
Verbal Plugging:	26"	65'	65'	230 sks
Date Permission granted on:				
Rotary X **Cable** **Rig**				
Total Vertical Depth (feet):				
Total Measured Depth (feet):				
Fresh Water Depth (ft.): 115', 162'				
Salt Water Depth (ft.): N/A				
Is coal being mined in area (N/Y)?: No				
Coal Depths (ft.): N/A				
Void(s) encountered (N/Y) Depth(s)				

RECEIVED
WV DEP
JUN 29 2011
Office of
Oil and Gas

OPEN FLOW DATA 2011/04/25 - PLAN TO P&A ON 4/26/2011.

Producing formation Pay zone depth (ft)

Gas: Initial open flow MCF/d Oil: Initial open flow 0 Bbl/d

Final open flow MCF/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests 12 Hours

Static Rock Pressure psig (surface pressure) after 12 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 6-24-11 Date

BC

Rev. (6/1/2011)

WELL: **PHL1DHS (405839)**

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?

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:

4/25/2011 PLAN TO P&A ON 4/26/2011.

FORMATIONS ENCOUNTERED:

WR-35

RECEIVED
Office of Oil & Gas
NOV - 1 2010
WV Department of
Environmental Protection

DATE: October 27, 2010
API #: 47-1304722

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: Richards Operator Well No.: 1

LOCATION: Elevation: 692 Quadrangle: Annamoriah

District: Sheridan County: Calhoun
Latitude: ____ Feet South of ____ Deg. ____ Min. ____ Sec.
Longitude ____ Feet West of ____ Deg. ____ Min. ____ Sec.

Company: Buckeye Oil Producing Co.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: PO Box 129				
Wooster, OH 44691	7"	254	254	Cmt to surface
Agent: Henry W. Sinnett				
Inspector: Ed Gainer	4-1/2"	2551	2551	198 cu. ft.
Date Permit Issued: 5/19/2010				
Date Well Work Commenced: 7/10/2010				
Date Well Work Completed: 10/15/2010				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Depth (feet): 2594				
Fresh Water Depth (ft.): 60				
Salt Water Depth (ft.): 1100				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): ____				

OPEN FLOW DATA

Producing formation Gordon-Gantz & 5th Sand Pay zone depth (ft) 2143-2507
Gas: Initial open flow 2 MCF/d Oil: Initial open flow -0- Bbl/d
Final open flow 50 MCF/d Final open flow -0- Bbl/d
Time of open flow between initial and final tests 48 Hours
Static rock Pressure 650 psig (surface pressure) after 48 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: Mark S. Lytle
By: Mark S. Lytle, CEO
Date: October 27, 2010

	Gordon-Gantz	5th Sand
Perforation Interval	2143-2433	2504-2507
# of Perforations	28	4
Type of Frac	Water-Sand	Water-Sand
Sks. Of Sand	500	

Drilled new well. Fraced Gordon, Gantz & 5th Sand. All 3 zones @ one time by dropping 10 perf balls.

FORMATION	TOP FEET	BOTTOM	REMARKS
Big Injun	1652	1708	
Berea	2072	2074	
Gantz	2143	2314	
Gordon	2370	2433	
5th Sand	2504	2507	

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

API # 4701705926

Deviated Survey is attached

Farm Name	I. L. Morris	**Well Number**	512445
Location Elevation	1140	**QUAD**	Oxford
District	Unknown	**County**	Doddridge,WV
			WV

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

Longitude 39.18996

Latitude -80.81763

Agent Cecil Ray

Inspector David Scrange

Permit Issued 11/6/2009

Well Work Commenced 6/4/2010

Well Work Completed 5/9/2011

Verbal Plugging

Rotary Rig X **Rotary Rig**

Total Depth 10,485.00

TVD 6582'

Casing &Tubing Size	Used In Drilling	Left in Well	Cement Cubic FT
20	42.00	42.00	
13 3/8	1106.00	1,106.00	928.20
9 5/8	2997.00	2,997.00	1,198.50
5 1/2	10436.00	10,436.00	1,365.80

Type	From
Fresh Water	470.00

Type	From		
Coal	1,308.00 ft. -	1,315.00	ft.

Producting Formation marcellus

Gas: Initial Open Flow not Applicable

Final Open Flow 10,294 mcfd

Static Rock Pressure 1150 psi

RECEIVED
Office of Oil & Gas
JUN 10 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 Ritchey

Date 6/6/2011

Formation record

Formation Name	Top	Bottom	Thickness
Sand	0.00	60.00	60.00
Sandstone	60.00	318.00	258.00
Shale	318.00	380.00	62.00
Sandstone	380.00	440.00	60.00
Red Rock	440.00	455.00	15.00
Sandstone and Shale	455.00	615.00	160.00
Red Rock	615.00	621.00	6.00
Sand and Shale	621.00	760.00	139.00
Red Rock	760.00	780.00	20.00
Shale	780.00	900.00	120.00
Red Rock	900.00	922.00	22.00
Shale	922.00	1,012.00	90.00
Sand and Shale	1,012.00	1,308.00	296.00
Coal	1,308.00	1,315.00	7.00
Sand and Shale	1,315.00	1,679.00	364.00
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

Gas Tests

Depth	Gas	Comments
5,818.00	0	Odor

Formations are from a nearby offset well and are not direct measurements taken 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
3/30/2011	10136 - 10258		5,599.00	7,495.00	5 Min: 2718
					10 Min: 2445
					15 Min: 2322

Avg Rate	Max Press PSI	ISIP	Frac Gradient
80.00	8,078.00	4,294.00	1.07

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
79,997.00	5,552.00		2000

Stage	Formation	Frac Type
2	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/30/2011	10136 - 10258		5,699.00	7,200.00	5 Min: 2845
					10 Min: 2571
					15 Min: 2434

Avg Rate	Max Press PSI	ISIP	Frac Gradient
89.00	7,678.00	4,268.00	1.07

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
99,673.00	5,212.00		2000

Stage	Formation	Frac Type
3	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/31/2011	9986 - 10108		5,620.00	7,555.00	5 Min: 3380
					10 Min: 2809
					15 Min: 2551

Avg Rate	Max Press PSI	ISIP	Frac Gradient
97.00	7,983.00	4,809.00	1.15

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
100,758.00	6,183.00		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
3/31/2011	9836 - 9958		5,882.00	7,675.00	5 Min: 4570
					10 Min: 3900
					15 Min: 3515

Avg Rate	Max Press PSI	ISIP	Frac Gradient
97.00	8,010.00	5,560.00	1.26

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
100,064.00	5,313.00		2000

Stage	Formation	Frac Type
5	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/31/2011	9686 - 9808		6,084.00	7,595.00	5 Min: 4699
					10 Min: 4100
					15 Min: 3696

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.00	7,830.00	5,312.00	1.22

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
109,090.00	5,258.00		2000

Stage	Formation	Frac Type
6	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/1/2011	9536 - 9658		5,505.00	7,310.00	5 Min: 3328
					10 Min: 2844
					15 Min: 2576

Avg Rate	Max Press PSI	ISIP	Frac Gradient
99.00	7,621.00	4,687.00	1.15

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
100,089.00	5,409.00		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
4/1/2011	9386 - 9508		5,365.00	7,308.00	5 Min: 3790
					10 Min: 3335
					15 Min: 2944

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.00	7,577.00	5,067.00	1.2

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
98,772.00	5,389.00		2000

Stage	Formation	Frac Type
8	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/1/2011	9236 - 9358		5,358.00	7,347.00	5 Min: 3390
					10 Min: 2850
					15 Min: 2694

Avg Rate	Max Press PSI	ISIP	Frac Gradient
101.00	7,608.00	4,792.00	1.16

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
100,337.00	5,270.00		2000

Stage	Formation	Frac Type
9	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/2/2011	9086 - 9208		5,248.00	6,608.00	5 Min: 3506
					10 Min: 2832
					15 Min: 2581

Avg Rate	Max Press PSI	ISIP	Frac Gradient
92.00	7,676.00	4,623.00	1.14

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
101,110.00	5,354.00		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
4/2/2011	8936 - 9058		5,439.00	7,165.00	5 Min: 2966
					10 Min: 2691
					15 Min: 2528

Avg Rate	Max Press PSI	ISIP	Frac Gradient
101.00	7,639.00	4,545.00	1.11

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
101,234.00	5,454.00		2000

Stage	Formation	Frac Type
11	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/2/2011	8786 - 8908		5,481.00	7,299.00	5 Min: 3074
					10 Min: 2702
					15 Min: 2560

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.00	8,170.00	5,072.00	1.19

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
100,109.00	5,220.00		2000

Stage	Formation	Frac Type
12	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/3/2011	8636 - 8758		5,299.00	7,315.00	5 Min: 3435
					10 Min: 2900
					15 Min: 2671

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.00	7,924.00	5,049.00	1.22

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
101,149.00	5,152.00		2000

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type			
13	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/3/2011	8486 - 8608		5,373.00	7,126.00	5 Min: 3117
					10 Min: 2790
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 2637
100.00	7,412.00	4,848.00	1.16		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
101,112.00	5,208.00		2000		

Stage	Formation	Frac Type			
14	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/3/2011	8336 - 8458		5,402.00	7,059.00	5 Min: 3120
					10 Min: 2863
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 2730
100.00	7,256.00	5,402.00	1.11		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
99,673.00	5,118.00		2000		

Stage	Formation	Frac Type			
15	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/4/2011	8186 - 8308		5,168.00	7,080.00	5 Min: 3836
					10 Min: 3309
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 2977
100.00	7,320.00	5,007.00	1.18		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
100,036.00	5,353.00		2000		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type			
16	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/4/2011	8036 - 8158		5,483.00	6,645.00	5 Min: 4250
					10 Min: 3566
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 3169
101.00	6,856.00	5,163.00	1.2		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
100,425.00	5,752.00		2000		

Stage	Formation	Frac Type			
17	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/4/2011	7886 - 8008		5,620.00	6,791.00	5 Min: 3659
					10 Min: 2929
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 2687
101.00	7,140.00	5,263.00	1.22		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
99,292.00	5,141.00		2000		

Stage	Formation	Frac Type			
18	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
4/5/2011	7736 - 7858		5,890.00	7,060.00	5 Min: 3104
					10 Min: 2783
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 2628
100.00	7,196.00	4,769.00	1.14		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
102,860.00	5,367.00		2000		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type
19	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/5/2011	7586 - 7708		6,145.00	6,813.00	5 Min: 3078
					10 Min: 2789
Avg Rate	Max Press PSI	ISIP	Frac Gradient		15 Min: 2655
101.00	7,284.00	4,476.00	1.09		

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
100,609.00	5,161.00		2000

Stage	Formation	Frac Type
20	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/5/2011	7436 - 7558		5,234.00	7,231.00	5 Min: 3091
					10 Min: 2880
Avg Rate	Max Press PSI	ISIP	Frac Gradient		15 Min: 2751
101.00	7,496.00	4,401.00	1.09		

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
97,237.00	5,163.00		2000

Stage	Formation	Frac Type
21	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
4/5/2011	7286 - 7408		5,370.00	6,673.00	5 Min: 3312
					10 Min: 3056
Avg Rate	Max Press PSI	ISIP	Frac Gradient		15 Min: 2910
100.00	7,574.00	4,651.00	1.13		

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
99,360.00	5,336.00		2000

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

API # 4701705927

Deviated survey is attached

Farm Name	I. L. Morris	**Well Number**	512497
Location Elevation	1140	**QUAD**	Oxford
District	Unknown	**County**	Doddridge,WV
			WV

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

Longitude 39.18996

Latitude -80.81763

Agent Cecil Ray

Inspector David Scrange

Permit Issued 11/6/2009

Well Work Commenced 6/8/2010

Well Work Completed 5/8/2011

Verbal Plugging

Rotary Rig X **Rotary Rig**

Total Depth 11,715.00

TVD : 6538'

Casing &Tubing Size	Used In Drilling	Left in Well	Cement Cubic FT
20	42.00	42.00	
13 3/8	1106.00	1,106.00	952.00
9 5/8	2993.00	2,993.00	1,151.41
5 1/2	11710.00	11,710.00	1,651.67

plug Back cement : 167 SX plugcem

plug Back Depth : 5450'

Type	From		
Coal	1,308.00 ft. -	1,315.00	ft.

Type	From
Fresh Water	470.00

Producing Formation marcellus

Gas: Initial Open Flow not Applicable

Final Open Flow 10,989 mcfd

Static Rock Pressure 1525 psi

RECEIVED
Office of Oil & Gas
JUN 10 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 ProductionCompany

By Mike Butcher

Date 6/6/2011

Formation record

Formation Name	Top	Bottom	Thickness
Sand	0.00	60.00	60.00
Sandstone	60.00	318.00	258.00
Shale	318.00	380.00	59.00
Sandstone	380.00	440.00	60.00
Red Rock	440.00	455.00	15.00
Sandstone and Shale	455.00	615.00	160.00
Red Rock	615.00	621.00	6.00
Sand and Shale	621.00	760.00	139.00
Red Rock	760.00	780.00	20.00
Shale	780.00	900.00	120.00
Red Rock	900.00	922.00	22.00
Shale	922.00	1,012.00	90.00
Sand and Shale	1,012.00	1,308.00	296.00
Coal	1,308.00	1,315.00	7.00
Sand and Shale	1,315.00	1,679.00	364.00
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

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. They are not direct measurements from a well log.

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
3/2/2011	11455 - 11697		6,422.00	7,963.00	5 Min: 2170
					10 Min: 1990
					15 Min: 1897

Avg Rate	Max Press PSI	ISIP	Frac Gradient
90.00	8,627.00	3,016.00	0.89

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
105,780.00	10,046.00		2,000

Stage	Formation	Frac Type
2	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/3/2011	11155 - 11397		5,857.00	7,828.00	5 Min: 2950
					10 Min: 2555
					15 Min: 2395

Avg Rate	Max Press PSI	ISIP	Frac Gradient
90.00	8,920.00	3,932.00	1.03

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
103,922.00	13,280.00		2,000

Stage	Formation	Frac Type
3	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/3/2011	10855 - 11097		6,063.00	8,089.00	5 Min: 2387
					10 Min: 2191
					15 Min: 2056

Avg Rate	Max Press PSI	ISIP	Frac Gradient
89.00	8,470.00	3,347.00	0.94

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
104,307.00	10,204.00		2,000

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
3/3/2011	10555 - 10797		5,631.00	8,164.00	5 Min: 2455
					10 Min: 2284
					15 Min: 2177

Avg Rate	Max Press PSI	ISIP	Frac Gradient
90.00	8,668.00	3,750.00	1

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
107,270.00	10,242.00		2,000

Stage	Formation	Frac Type
5	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/5/2011	10255 - 10497		6,211.00	8,316.00	5 Min: 2454
					10 Min: 2183
					15 Min: 2058

Avg Rate	Max Press PSI	ISIP	Frac Gradient
100.00	8,480.00	3,840.00	1.01

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
109,962.00	11,115.00		3,000

Stage	Formation	Frac Type
6	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/5/2011	9955 - 10197		5,948.00	7,277.00	5 Min: 2428
					10 Min: 2257
					15 Min: 2152

Avg Rate	Max Press PSI	ISIP	Frac Gradient
86.00	7,869.00	3,052.00	0.89

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
105,806.00	10,147.00		2,000

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
3/5/2011	9655 - 9897		5,231.00	7,359.00	5 Min: 2560
					10 Min: 2406
					15 Min: 2279

Avg Rate	Max Press PSI	ISIP	Frac Gradient
96.00	8,480.00	3,828.00	1.01

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
406,980.00	10,798.00		2,000

Stage	Formation	Frac Type
8	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/6/2011	9355 - 9597		5,050.00	7,250.00	5 Min: 2654
					10 Min: 2580
					15 Min: 2515

Avg Rate	Max Press PSI	ISIP	Frac Gradient
96.00	8,505.00	3,399.00	0.95

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
104,727.00	11,409.00		2,000

Stage	Formation	Frac Type
9	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/6/2011	9055 - 9297		4,947.00	6,781.00	5 Min: 2853
					10 Min: 2733
					15 Min: 2652

Avg Rate	Max Press PSI	ISIP	Frac Gradient
94.00	7,623.00	3,220.00	0.92

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
105,093.00	10,576.00		2,000

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**
3/6/2011	8755 - 8997		5,457.00	7,920.00	5 Min: 3150
					10 Min: 2870
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 2763
91.00	9,117.00	4,650.00	1.14		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
106,204.00	14,407.00		2,000		

Stage	Formation	Frac Type			
11	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/7/2011	8455 - 8697		6,063.00	6,963.00	5 Min: 3114
					10 Min: 2996
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 2929
97.00	7,310.00	3,728.00	1		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
110,338.00	10,975.00		2,000		

Stage	Formation	Frac Type			
12	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/7/2011	8155 - 8397		6,497.00	7,374.00	5 Min: 3261
					10 Min: 3120
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 3037
102.00	8,801.00	3,737.00	1		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
114,751.00	10,561.00		2,000		

EQT WR-35	Completion	Attachment	Well	Treatment	Summary

Stage	Formation	Frac Type
13	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/8/2011	7855 - 8097		5,281.00	7,703.00	5 Min: 3574
					10 Min: 3131
					15 Min: 2904

Avg Rate	Max Press PSI	ISIP	Frac Gradient
101.00	8,865.00	4,463.00	1.11

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
100,961.00	10,490.00		2,000

Stage	Formation	Frac Type
14	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/8/2011	7555 - 7797		5,734.00	7,028.00	5 Min: 2602
					10 Min: 2392
					15 Min: 2268

Avg Rate	Max Press PSI	ISIP	Frac Gradient
94.00	7,603.00	3,391.00	0.97

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
115,792.00	10,239.00		2,000

Stage	Formation	Frac Type
15	MARCELLUS	Slickwater

Date	From / To	# of perfs	BD Press	ATP Psi	SIP Detail
3/8/2011	7255 - 7497		5,881.00	7,325.00	5 Min: 2662
					10 Min: 2458
					15 Min: 2344

Avg Rate	Max Press PSI	ISIP	Frac Gradient
102.00	7,920.00	3,600.00	0.98

Sand Proppant	Water-bbl	SCF N2	Acid-Gal
109,489.00	10,212.00		2,000

EQT WR-35	Completion	Attachment	Well	Treatment	Summary
Stage	**Formation**	**Frac Type**			
16	MARCELLUS	Slickwater			
Date	**From / To**	**# of perfs**	**BD Press**	**ATP Psi**	**SIP Detail**
3/9/2011	6955 - 7197		5,098.00	6,385.00	5 Min: 2643
					10 Min: 2461
Avg Rate	**Max Press PSI**	**ISIP**	**Frac Gradient**		15 Min: 2372
106.00	8,962.00	3,425.00	0.95		
Sand Proppant	**Water-bbl**	**SCF N2**	**Acid-Gal**		
111,847.00	10,003.00		2,000		

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: 6/20/11
API #: 47-017-05932

Farm name: Porter Maxwell Operator Well No.: Porter Maxwell #14

LOCATION: Elevation: 1080' Quadrangle: New Milton

District: New Milton County: Doddridge
Latitude: 39.21063 Feet South of 39 Deg. 15 Min. 00 Sec.
Longitude 80.75066 Feet West of 80 Deg. 45 Min. 00 Sec.

Company: Key Oil Company

Address: 22 Garton Plaza	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Weston, WV 26452	11"	32'	pulled	NA
Agent: Jan Chapman				
Inspector: Dave Scranage	9 5/8"	126'	126'	70 sks.
Date Permit Issued: 3/1/2010				CTS
Date Well Work Commenced: 6/1/11				
Date Well Work Completed: 6/15/11	7"	1227'	1227'	200 sks.
Verbal Plugging: NA				CTS
Date Permission granted on: 5/30/11	4 1/2"	2649'	2649'	150 sks.
Rotary Cable Rig X				CT 1140'
Total Vertical Depth (ft): 2750'				
Total Measured Depth (ft): 2735'				
Fresh Water Depth (ft.): 95'				
Salt Water Depth (ft.): 1300'				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): No				
Void(s) encountered (N/Y) Depth(s) NA				

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

Producing formation Gordon Pay zone depth (ft) 2490'
Gas: Initial open flow 105 MCF/d Oil: Initial open flow show Bbl/d
Final open flow 746 MCF/d Final open flow 2 Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 540 psig (surface pressure) after 24 Hours

Second producing formation Injun Pay zone depth (ft) 1910'
Gas: Initial open flow 105 MCF/d Oil: Initial open flow show Bbl/d
Final open flow 746 MCF/d Final open flow show Bbl/d
Time of open flow between initial and final tests 24 Hours
Static rock Pressure 540 psig (surface pressure) after 24 Hours

RECEIVED
WV DEP
JUN 30 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.

Jan Chapman 6-24-11
Signature Date

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

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:

1. Gordon & Gantz: (2492' - 2496'; 15 holes)(2270' - 2272'; 5 holes) sand, water, and N2: 25,000 20/40 sand, 227,000 SCF N2 146 bbl. water

2. Injun: (1906' - 1912'; 20 holes) sand, water, and N2: 25,000 20/40 sand and 244,000 SCF N2

3. Blue Monday: (1764' - 1774'; 20 holes) sand, water, and N2: 25,000 20/40 sand 303,000 SCF N2

Formations Encountered: Surface:	Top Depth /	Bottom Depth
Sand and Shale	0'	1200'
Shale	1200'	1270'
Salt Sand	1270'	1300'
Sand and Shale	1300'	1750'
Blue Monday	1750'	1780'
Injun	1780'	1910'
Sand and Shale	1910'	2270'
Gantz	2270'	2280'
Shale	2280'	2490'
Gordon	2490'	2500'
Shale	2500'	2750'
TD		2750'

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: 10/22/2010
API #: 47-027-00045

Farm name: ROBERT F. & KAY LEE Operator Well No.: 1

LOCATION: Elevation: 1,100' Quadrangle: LEVELS

District: GORE County: HAMPSHIRE
Latitude: 7,300 Feet South of 39 Deg. 28 Min. 46.2 Sec.
Longitude 2,340 Feet West of 78 Deg. 32 Min. 59.8 Sec.

Company: CARRIZO (MARCELLUS) LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1000 LOUISIANA, SUITE 1500, HOUSTON, TX 77002	13-3/8"	560'	560'	628
Agent: ED KRONENBERGER	9-5/8"	1,625'	1,625'	732
Inspector: BILL HATFIELD	5-1/2"	7,324'	7,324'	1346
Date Permit Issued: 10/02/2009				
Date Well Work Commenced: 10/23/2009				
Date Well Work Completed: 11/15/2009				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft): 7,324'				
Total Measured Depth (ft): 7,324'				
Fresh Water Depth (ft.): 500'-550'				
Salt Water Depth (ft.): 1,700' - 3,900'				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.):				
Void(s) encountered (N/Y) Depth(s) N				

RECEIVED
Office of Oil & Gas
OCT 28 2010
WV Department of
Environmental Protection

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

RECEIVED
Office of Oil & Gas
NOV 14 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 10/22/10
Date

Were core samples taken? Yes Y No_____ Were cuttings caught during drilling? Yes Y 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:

REMARKS: WELL IS SHUT-IN, PENDING COMPLETION OR POSSIBLE P & A

Formations Encountered: Surface:	Top Depth /	Bottom Depth
UPPER MARCELLUS	6,670'	6,760'
PURCELL	6,760'	6,866'
LOWER MARCELLUS	6,866'	7,019'
ONONDAGA	7,019'	7,038'
NEEDMORE	7,038'	7,157'
ORISKANY	7,157'	TD - 7,324'

ROBERT F. & KAY LEE API 47-027-00045

Were core samples taken? Yes Y No_____ Were cuttings caught during drilling? Yes Y No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list
PLATFORM EXPRESS, FMI, ECS, ROTARY SIDEWALL TOOL, SONIC

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:

REMARKS: WELL SHUT-IN, PENDING COMPLETION OR POSSIBLE P & A.

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

Formations Encountered: Surface:	Top Depth /	Bottom Depth
SILTY SANDSTONE	0	1,870'
SHALE	1,870'	1,930'
SANDSTONE	1,930'	2,200'
SHALE	2,200'	5,845'
TULLY LIMESTONE	5,845'	5,905'
MAHANTANGO SHALE	5,905'	6,670'
UPPER MARCELLUS SHALE	6,670'	6,760'
PURCELL LIMEY SHALE	6,760'	6,866'
LOWER MARCELLUS SHALE	6,866'	7,019'
ONONDAGO LIMESTONE	7,019'	7,038'
NEEDMORE SHALE	7,038'	7,157'
ORISKANY SNADSTONE	7,157'	TD - 7,324'

SIGNED: Carol A. Pratt DATE: 11/11/11

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: 10/22/2010
API #: 47-031-00031

Farm name: MONGOLD, VERNON & RHOND. Operator Well No.: 1

LOCATION: Elevation: 2,099' Quadrangle: BERGTON

District: LOST RIVER County: HARDY
Latitude: 12,800' Feet South of 38 Deg. 50 Min. 23.77 Sec.
Longitude 11,060' Feet West of 78 Deg. 57 Min. 18.94 Sec.

Company: CARRIZO (MARCELLUS) LLC

Address:	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
1000 LOUISIANA, SUITE 1500, HOUSTON, TX 77002	13-3/8"	320'	320'	402
Agent: ED KRONENBERGER	9-5/8"	1,226'	1,226'	577
Inspector: BILL HATFIELD	5-1/2"	7,906'	7,906'	1289
Date Permit Issued: 09/30/09				
Date Well Work Commenced: 12/19/09				
Date Well Work Completed: 09/08/10				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft): 7,906'				
Total Measured Depth (ft): 7,906'				
Fresh Water Depth (ft.): 150'				
Salt Water Depth (ft.): UNKNOWN				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): NA				
Void(s) encountered (N/Y) Depth(s) NO				

RECEIVED
Office of Oil & Gas
OCT 28 2010
WV Department of Environmental Protection

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

RECEIVED
Office of Oil & Gas
NOV 14 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

10/22/10
Date

MONGOLD, VERNON & RHOND. API NO. 47-031-00031

Were core samples taken? Yes_____ No X

Were cuttings caught during drilling? Yes Y No_____

Were Electrical, Mechanical or Geophysical logs recorded on this well? If yes, please list
PLATFORM EXPRESS, FMI, ECS, SONIC SCANNER

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:

STAGE 1: 7,769' - 74'; 7,789' - 94'; 7,795' - 7,809'

FRAC W/ 7,546 BBLS FLUID & 31,500# 100 MESH + 144,000# 40/70 SAND

STAGE 2: 7,635' - 40'; 7,655' - 60'; 7,698' - 7,703'; 7,715' - 20'

FRAC W/ 7,316' - BBLS FLUID & 30,300# 100 MESH + 144,000# 40/70 SAND

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

Formations Encountered: Surface:	Top Depth /	Bottom Depth
SILTY SHALE	0	160'
SANDSTONE	160'	2,130'
SILTY SHALE	2,130'	4,520'
SHALE	4,520'	5,880'
LIMEY SHALE	5,880'	6,000'
SHALE	6,000'	6,196'
TULLY LIMESTONE	6,196'	6,289'
MAHANTANGO SHALE	6,289'	7,328'
UPPER MARCELLUS SHALE	7,238'	7,263'
PURCELL LIMEY SHALE	7,263'	7,625'
LOWER MARCELLUS SHALE	7,625'	7,826'
ONONDAGA LIMESTONE	7,826'	TD - 7,906'

SIGNED: Carol A Pruitt DATE: 11/11/11

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:

STAGE 1: 7,769'-74'; 7,789'-94'; 7,795'-7,809'

FRAC W/ 7546 BBLS FLUID & 31,500# 100 MESH + 144,000# 40/70 SAND

STAGE 2: 7,635'-40'; 7,655'-60'; 7,698'-7,703'; 7,715'-20'

FRAC W/ 7,316 BBLS FLUID & 30,300# 100 MESH + 144,000# 40/70 SAND

REMARKS: WELL CURRENTLY SHUT-IN, PENDING FURTHER EVALUATION & TESTING

Formations Encountered: Surface:	Top Depth /	Bottom Depth
TULLY	6,196'	6,289'
MAHANTANGO	6,289'	7,328'
UPPER MARCELLUS	7,238'	7,263'
PURCELL	7,263'	7,625'
LOWER MARCELLUS	7,625'	7,826'
ONONDAGA	7,826'	TD-7,906'

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: July 11, 2011
API #: 47-049-02094
REVISED

Farm name: Potoczny, Joseph J and Kelly Operator Well No.: Potoczny Unit A #1H

LOCATION: Elevation: 1404' Quadrangle: Mannington

District: Lincoln County: Marion
Latitude: 5,150 Feet South of 39 Deg. 35 Min. 00 Sec.
Longitude 5,020 Feet West of 80 Deg. 15 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"	25'	25'	Sanded in
Agent: Tim McGregor	13-3/8"	958'	958'	726
Inspector: Tristan Jenkins	9-5/8"	2,411'	2,411'	1,066
Date Permit Issued: 03/09/2010	5 1/2"		10,402'	2,580
Date Well Work Commenced: 4/18/2010	2 3/8"		8,544'	
Date Well Work Completed: 12/14/2010				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft): 7,845				
Total Measured Depth (ft): 10,448				
Fresh Water Depth (ft.): 110				
Salt Water Depth (ft.): 1,830				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 707-714, 818-828				
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) 8,562' MD to 10,192' MD
Gas: Initial open flow 290 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1,210 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 313 Hours
Static rock Pressure 3,200 psig (surface pressure) after 34 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
Office of Oil & Gas
JUL 18 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 7/11/2011
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 8,562' MD to 10,192' MD.
Performed 4 stage Slick Water frac. Injected 1,710,874 gal water, 8,000 gal 15% HCl,
383,079 lbs 80/100 Mesh Sand, and 1,657,392 lbs 40/70 Mesh Sand.
Average injection rate was 84.0 BPM.

Formations Encountered: Top Depth / Bottom Depth
Surface:

Formations encountered are listed on
a separate page.

RECEIVED
Office of Oil & Gas
JUL 18 2011
WV Department of
Environmental Protection

Stone Energy Corporation
Potoczny Unit A #1H (API # 47-049-02094)
WR-35 Well Operator's Report of Well Work
Formations Encountered

Formations	Top TVD (ft)	Top MD (ft)	Bottom TVD (ft)	Bottom MD (ft)
Sandstone and Shale	0 *		707	
Coal	707 *		714	
Sandstone and Shale	714 *		818	
Pittsburgh Coal	818 *		828	
Sandstone and Shale	828 *		2018	
Little Lime	2018 *		2042	
Sandstone and Shale	2042 *		2071	
Big Lime	2071 *		2273	
Big Injun Sandstone	2273 *		2309	
Shale	2309 *		2559	
Berea Sandstone	2559 *		2582	
Shale	2582 *		2685	
Gantz	2685 *		2703	
Shale	2703 *		2730	
50 Foot Sandstone	2730 *		2798	
Shale	2798 *		2993	
Gordon	2993 *		3030	
Shale	3030 *		3199	
5th Sand	3199 *		3225	
Shale	3225 *		3501	
Speechley	3501 *		3530	
Shale	3530 *		4012	
Balltown	4012 *		4051	
Shale	4051 *		5596	
Lower Alexander shale	5596 *		5705	
Shale	5705 ~		7275	7303
Cashaqua Shale	7275 ~	7303	7489	7572
Middlesex Shale	7489 ~	7572	7681	7882
Geneseo Shale	7681 ~	7882	7710	7940
Tully Limestone	7710 ~	7940	7804	8186
Hamilton Shale	7804 ~	8186	7872	8508
Marcellus Shale	7872 ~	8508	7845	10448
TD	7845 ~	10448		

* Formation elevations from pilot hole log and Driller's Log
~ From KOP elevations taken from Gamma log of MWD tool

RECEIVED
Office of Oil & Gas
JUL 18 2011
WV Department of
Environmental Protection

Scientific Drilling

Survey Report

Well Name: Potoczny Unit A #1H

Survey: Computed from MWDRun Potoczny Unit A #1H Run 1's RawMSur

Survey Date: 6/26/2010, 6/30/2010, 7/2/2010, 7/5/2010, 7/6/2010

MD ft	Type	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
6508.00	Tie-in	1.15	141.82	6506.87	36.67	-43.23	59.96	Invalid
6570.00	User mag	0.81	141.74	6568.86	37.43	-44.06	60.62	0.55
6601.00	User mag	0.85	141.34	6599.86	37.75	-44.41	60.89	0.13
6635.00	User mag	0.81	163.31	6633.85	38.15	-44.84	61.12	0.94
6697.00	User mag	1.87	216.85	6695.84	39.43	-46.07	60.64	2.48
6728.00	User mag	4.47	228.53	6726.79	40.75	-47.28	59.43	8.57
6760.00	User mag	4.88	225.05	6758.68	42.73	-49.06	57.53	1.56
6792.00	User mag	4.41	224.43	6790.58	44.75	-50.90	55.71	1.48
6824.00	User mag	5.52	224.92	6822.46	46.91	-52.87	53.76	3.47
6856.00	User mag	7.98	229.10	6854.23	49.73	-55.42	51.00	7.85
6887.00	User mag	10.55	229.96	6884.83	53.35	-58.65	47.19	8.30
6919.00	User mag	11.26	230.01	6916.25	57.71	-62.55	42.56	2.22
6951.00	User mag	12.12	228.75	6947.58	62.43	-66.77	37.64	2.79
6983.00	User mag	13.77	227.08	6978.77	67.77	-71.58	32.32	5.31
7014.00	User mag	15.51	225.83	7008.76	73.74	-76.98	26.64	5.71
7046.00	User mag	17.57	227.09	7039.43	80.68	-83.25	20.03	6.53
7078.00	User mag	18.90	228.65	7069.83	88.13	-89.96	12.60	4.43
7110.00	User mag	20.43	230.47	7099.96	95.94	-96.94	4.41	5.13
7142.00	User mag	22.11	231.67	7129.78	104.14	-104.23	-4.63	5.44
7173.00	User mag	23.53	232.22	7158.35	112.51	-111.64	-14.09	4.62
7205.00	User mag	24.80	233.11	7187.55	121.50	-119.58	-24.51	4.14
7237.00	User mag	26.46	234.18	7216.40	130.83	-127.78	-35.66	5.38
7269.00	User mag	28.28	232.97	7244.82	140.77	-136.52	-47.49	5.96
7301.00	User mag	30.03	232.64	7272.76	151.45	-145.95	-59.91	5.50
7333.00	User mag	31.16	231.49	7300.30	162.76	-155.96	-72.75	3.96
7365.00	User mag	32.88	231.60	7327.44	174.65	-166.51	-86.04	5.38
7397.00	User mag	35.03	231.12	7353.98	187.22	-177.67	-100.00	6.78
7429.00	User mag	36.57	230.94	7379.93	200.46	-189.45	-114.55	4.83
7461.00	User mag	38.64	230.95	7405.28	214.29	-201.75	-129.71	6.44
7493.00	User mag	40.15	230.88	7430.01	228.69	-214.55	-145.48	4.75
7525.00	User mag	42.15	229.77	7454.10	243.77	-228.00	-161.68	6.66
7557.00	User mag	44.06	229.46	7477.46	259.61	-242.17	-178.34	5.99
7588.00	User mag	44.23	229.25	7499.71	275.32	-256.23	-194.72	0.73
7620.00	User mag	45.73	229.76	7522.34	291.74	-270.92	-211.92	4.82
7652.00	User mag	47.91	229.64	7544.24	308.63	-286.01	-229.72	6.81
7684.00	User mag	49.80	229.47	7565.29	326.11	-301.64	-248.05	5.94
7716.00	User mag	51.54	228.91	7585.57	344.17	-317.82	-266.79	5.60
7748.00	User mag	53.05	228.87	7605.14	362.73	-334.46	-285.86	4.70
7780.00	User mag	53.56	228.85	7624.27	381.55	-351.34	-305.19	1.60

Scientific Drilling

Survey Report

Well Name: Potoczny Unit A #1H

Survey: Computed from MWDRun Potoczny Unit A #1H Run 1's RawMSur

Survey Date: 6/26/2010, 6/30/2010, 7/2/2010, 7/5/2010, 7/6/2010

MD ft	Type	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
7812.00	User mag	54.74	229.10	7643.01	400.54	-368.37	-324.76	3.75
7844.00	User mag	56.63	229.23	7661.05	419.83	-385.65	-344.75	5.91
7876.00	User mag	58.30	229.72	7678.25	439.43	-403.18	-365.26	5.38
7908.00	User mag	59.90	229.40	7694.69	459.34	-420.99	-386.16	5.07
7940.00	User mag	61.59	229.07	7710.32	479.70	-439.22	-407.30	5.35
7972.00	User mag	63.09	228.87	7725.18	500.45	-457.82	-428.68	4.72
8004.00	User mag	63.21	229.27	7739.63	521.33	-476.52	-450.25	1.18
8036.00	User mag	65.19	229.20	7753.56	542.33	-495.34	-472.07	6.21
8068.00	User mag	67.57	228.75	7766.38	563.80	-514.58	-494.19	7.55
8100.00	User mag	70.36	228.67	7777.86	585.76	-534.29	-516.63	8.72
8132.00	User mag	72.02	227.39	7788.18	608.28	-554.54	-539.15	6.41
8164.00	User mag	73.43	226.54	7797.68	631.37	-575.39	-561.49	5.10
8196.00	User mag	74.82	224.00	7806.44	655.21	-597.05	-583.35	8.79
8227.00	User mag	75.27	220.60	7814.44	679.36	-619.20	-603.50	10.68
8259.00	User mag	75.79	217.17	7822.44	705.39	-643.32	-622.95	10.51
8291.00	User mag	77.78	213.95	7829.75	732.50	-668.66	-641.06	11.59
8323.00	User mag	78.45	210.69	7836.35	760.57	-695.12	-657.80	10.19
8355.00	User mag	78.13	207.97	7842.84	789.35	-722.43	-673.14	8.40
8387.00	User mag	78.12	205.16	7849.43	818.68	-750.44	-687.15	8.58
8419.00	User mag	78.65	202.54	7855.87	848.52	-779.10	-699.82	8.19
8451.00	User mag	79.50	199.36	7861.94	878.88	-808.44	-711.05	10.10
8483.00	User mag	80.47	196.96	7867.51	909.69	-838.38	-720.87	7.97
8515.00	User mag	81.55	194.23	7872.51	940.86	-868.82	-729.36	9.10
8546.00	User mag	82.01	191.19	7876.94	971.33	-898.75	-736.11	9.80
8578.00	User mag	83.34	188.78	7881.02	1002.99	-930.00	-741.61	8.56
8610.00	User mag	84.99	187.25	7884.28	1034.80	-961.52	-746.05	7.00
8641.00	User mag	85.35	184.55	7886.89	1065.69	-992.25	-749.23	8.77
8673.00	User mag	86.77	182.59	7889.09	1097.58	-1024.11	-751.21	7.56
8705.00	User mag	87.34	178.99	7890.73	1129.40	-1056.06	-751.66	11.36
8737.00	User mag	88.12	177.71	7892.00	1161.08	-1088.02	-750.74	4.67
8769.00	User mag	88.69	177.62	7892.89	1192.73	-1119.98	-749.43	1.81
8801.00	User mag	89.83	176.92	7893.30	1224.35	-1151.94	-747.91	4.18
8865.00	User mag	91.75	175.68	7892.42	1287.42	-1215.80	-743.78	3.57
8928.00	User mag	92.42	173.09	7890.12	1349.07	-1278.45	-737.62	4.25
8992.00	User mag	91.34	170.89	7888.02	1411.11	-1341.78	-728.71	3.82
9056.00	User mag	91.38	170.76	7886.50	1472.85	-1404.95	-718.51	0.21
9119.00	User mag	92.02	172.15	7884.63	1533.79	-1467.22	-709.15	2.42
9183.00	User mag	91.89	172.03	7882.45	1595.86	-1530.57	-700.34	0.28

Scientific Drilling

Survey Report

Well Name:	Potoczny Unit A #1H
Survey:	Computed from MWDRun Potoczny Unit A #1H Run 1's RawMSur
Survey Date:	6/26/2010, 6/30/2010, 7/2/2010, 7/5/2010, 7/6/2010

MD ft	Type	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
9246.00	User mag	92.42	170.88	7880.08	1656.78	-1592.83	-690.99	2.00
9309.00	User mag	92.43	171.34	7877.42	1717.60	-1655.01	-681.27	0.73
9373.00	User mag	91.18	169.09	7875.41	1779.14	-1718.05	-670.40	4.02
9437.00	User mag	91.14	168.91	7874.11	1840.31	-1780.86	-658.19	0.29
9501.00	User mag	91.65	169.00	7872.55	1901.46	-1843.65	-645.93	0.80
9565.00	User mag	92.22	169.68	7870.39	1962.73	-1906.51	-634.10	1.39
9629.00	User mag	91.31	170.70	7868.42	2024.26	-1969.55	-623.20	2.13
9692.00	User mag	91.21	170.79	7867.04	2085.01	-2031.71	-613.07	0.22
9756.00	User mag	90.60	169.97	7866.02	2146.62	-2094.80	-602.38	1.60
9820.00	User mag	90.67	170.21	7865.31	2208.15	-2157.84	-591.37	0.39
9883.00	User mag	90.67	170.66	7864.57	2268.83	-2219.97	-580.90	0.71
9947.00	User mag	91.61	171.70	7863.29	2330.67	-2283.19	-571.09	2.19
10010.00	User mag	91.78	171.69	7861.43	2391.67	-2345.51	-561.99	0.26
10074.00	User mag	91.68	172.12	7859.49	2453.70	-2408.84	-552.98	0.68
10138.00	User mag	91.48	171.85	7857.73	2515.76	-2472.19	-544.06	0.52
10201.00	User mag	91.24	171.86	7856.24	2576.82	-2534.54	-535.14	0.37
10265.00	User mag	91.51	172.78	7854.70	2638.97	-2597.94	-526.59	1.51
10329.00	User mag	93.33	175.23	7851.99	2701.50	-2661.53	-519.91	4.76
10361.00	User mag	93.60	175.94	7850.06	2732.91	-2693.38	-517.46	2.36
TD 10448				7845				

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: July 11, 2011
API #: 47-049-02095
REVISED

Farm name: Potoczny, Joseph J. and Kelly Jo Operator Well No.: Potoczny Unit A #2H

LOCATION: Elevation: 1,405' Quadrangle: Mannington

District: Lincoln County: Marion
Latitude: 5,150 Feet South of 39 Deg. 35 Min. 00 Sec.
Longitude 5,000 Feet West of 80 Deg. 15 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: Tim McGregor	13-3/8"	961'	961'	645
Inspector: Tristan Jenkins	9-5/8"	2,409'	2,409'	982
Date Permit Issued: 3/9/2010	5-1/2"		10,403'	2,670
Date Well Work Commenced: 5/11/2010	2-3/8"		8,293'	
Date Well Work Completed: 12/13/2010				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft): 7,793				
Total Measured Depth (ft): 10,417				
Fresh Water Depth (ft.): 50				
Salt Water Depth (ft.): 2,091				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): 790				
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) 8,353' MD to 10,237' MD
Gas: Initial open flow 990 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 2300 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 294 Hours
Static rock Pressure 3300 psig (surface pressure) after 10.5 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
Office of Oil & Gas
JUL 18 2011
WV Department of
Environmental Protectio

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 7/11/2011
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 8,353' MD to 10,237' MD.
Performed 5 stage slick water frac. Injected 9,576 gal 15% HCl, 2,001,242 gal fresh water, 460,633 lbs 80/100 Mesh sand, and 1,962,764 lbs 40/70 Mesh sand.
Average injection rate was 80.6 BPM.

Formations Encountered: Top Depth / Bottom Depth
Surface:

Formations encountered are listed on a separate page.

RECEIVED
Office of Oil & Gas
JUL 18 2011
WV Department of
Environmental Protection

Stone Energy Corporation
Potoczny Unit A #2H (API # 47-049-02095)
WR-35 Well Operator's Report of Well Work
Formations Encountered

Formations	Top TVD (ft)	Top MD (ft)	Bottom TVD (ft)	Bottom MD (ft)
Sandstone and Shale	0 *		707	
Coal	707 *		714	
Sandstone and Shale	714 *		818	
Pittsburgh Coal	818 *		828	
Sandstone and Shale	828 *		2018	
Little Lime	2018 *		2042	
Sandstone and Shale	2042 *		2071	
Big Lime	2071 *		2273	
Big Injun Sandstone	2273 *		2309	
Shale	2309 *		2559	
Berea Sandstone	2559 *		2582	
Shale	2582 *		2685	
Gantz	2685 *		2703	
Shale	2703 *		2730	
50 Foot Sandstone	2730 *		2798	
Shale	2798 *		2993	
Gordon	2993 *		3030	
Shale	3030 *		3199	
5th Sand	3199 *		3225	
Shale	3225 *		3501	
Speechley	3501 *		3530	
Shale	3530 *		4012	
Balltown	4012 *		4051	
Shale	4051 *		5596	
Lower Alexander shale	5596 *		5705	
Shale	5705 ~		7267	7276
Cashaqua Shale	7267 ~	7276	7490	7536
Middlesex Shale	7490 ~	7536	7663	7800
Geneseo Shale	7663 ~	7800	7681	7835
Tully Limestone	7681 ~	7835	7787	8096
Hamilton Shale	7787 ~	8096	7840	8304
Marcellus Shale	7840 ~	8304	7793	10417
TD	7793 ~	10417		

* Formation elevations from pilot hole log and Driller's Log
~ From KOP elevations taken from Gamma log of MWD tool

RECEIVED
Office of Oil & Gas
JUL 18 2011
WV Department of
Environmental Protection

Scientific Drilling

Survey Report

Company Name:	Stone Energy
Site Name:	Buddy Prospect
Well Name:	Potoczny Unit A #2H
Survey:	Computed from Potoczny Unit A #2H - Plan #6.txt's Potoczny Unit A #2H - Plan #6.txt
Survey Date:	7/16/2010, 7/20/2010, 7/21/2010, 7/24/2010
Magnetic Declination:	0.00 deg
Grid Correction:	0.49 deg
North Reference:	Grid North
Calculation Method:	Minimum Curvature
Section (VS) Ref:	0.00N (ft), 0.00E (ft), 154.45Azim (deg)

MD ft	Type	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
0.00	Tie-in	0.00	0.00	0.00	0.00	0.00	0.00	Invalid
108.00	Gyro	0.25	345.47	108.00	-0.23	0.23	-0.06	0.23
208.00	Gyro	0.25	326.41	208.00	-0.66	0.62	-0.23	0.08
308.00	Gyro	0.25	170.27	308.00	-0.67	0.59	-0.32	0.49
408.00	Gyro	0.25	33.22	408.00	-0.57	0.56	-0.16	0.47
508.00	Gyro	0.25	314.08	508.00	-0.89	0.89	-0.20	0.32
608.00	Gyro	0.50	99.02	608.00	-0.85	0.97	0.08	0.72
708.00	Gyro	0.25	68.88	707.99	-0.58	0.98	0.71	0.31
808.00	Gyro	0.75	88.82	807.99	-0.29	1.08	1.57	0.52
908.00	Gyro	1.00	90.68	907.98	0.36	1.08	3.09	0.25
1008.00	Gyro	1.50	94.62	1007.95	1.41	0.96	5.27	0.51
1108.00	Gyro	1.50	105.49	1107.92	2.92	0.51	7.84	0.28
1208.00	Gyro	1.75	97.43	1207.88	4.61	-0.04	10.61	0.34
1308.00	Gyro	1.75	110.29	1307.83	6.54	-0.77	13.56	0.39
1408.00	Gyro	1.75	118.24	1407.79	8.87	-2.02	16.34	0.24
1508.00	Gyro	1.50	122.10	1507.75	11.20	-3.44	18.79	0.27
1608.00	Gyro	1.75	126.05	1607.71	13.65	-5.03	21.13	0.27
1708.00	Gyro	2.00	120.91	1707.65	16.45	-6.83	23.87	0.30
1808.00	Gyro	2.25	119.85	1807.58	19.52	-8.70	27.06	0.25
1908.00	Gyro	2.25	129.72	1907.51	22.92	-10.93	30.28	0.39
2008.00	Gyro	2.00	123.65	2007.44	26.20	-13.15	33.24	0.34
2108.00	Gyro	1.75	101.50	2107.39	28.62	-14.42	36.19	0.76
2208.00	Gyro	2.00	99.44	2207.33	30.54	-15.01	39.41	0.26
2308.00	Gyro	2.25	91.30	2307.26	32.43	-15.34	43.09	0.39
2408.00	Gyro	2.50	98.24	2407.18	34.53	-15.70	47.21	0.38
2508.00	Gyro	2.00	93.11	2507.10	36.58	-16.11	51.11	0.54
2608.00	Gyro	1.25	98.05	2607.06	38.02	-16.36	53.93	0.76
2708.00	Gyro	1.25	130.92	2707.04	39.62	-17.22	55.84	0.71
2808.00	Gyro	0.75	122.88	2807.02	41.18	-18.29	57.21	0.52
2908.00	Gyro	0.50	106.74	2907.02	42.03	-18.77	58.18	0.30
3008.00	Gyro	0.75	132.68	3007.01	42.93	-19.34	59.08	0.37
3108.00	Gyro	0.50	159.54	3107.00	43.98	-20.20	59.71	0.38
3208.00	Gyro	0.75	145.49	3207.00	45.06	-21.14	60.24	0.29

Scientific Drilling

Survey Report

Well Name:	Potoczny Unit A #2H
Survey:	Computed from Potoczny Unit A #2H - Plan #6.txt's Potoczny Unit A #2H - Plan #6.txt
Survey Date:	7/16/2010, 7/20/2010, 7/21/2010, 7/24/2010

MD ft	Type	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
3308.00	Gyro	0.75	121.35	3306.99	46.25	-22.02	61.17	0.31
3408.00	Gyro	0.75	97.29	3406.98	47.15	-22.45	62.37	0.31
3508.00	Gyro	0.75	113.15	3506.97	48.00	-22.79	63.62	0.21
3608.00	Gyro	0.50	112.09	3606.97	48.81	-23.21	64.63	0.25
3708.00	Gyro	0.50	145.96	3706.96	49.57	-23.73	65.28	0.29
3808.00	Gyro	0.50	178.90	3806.96	50.40	-24.53	65.53	0.28
3908.00	Gyro	0.75	165.76	3906.95	51.44	-25.60	65.70	0.29
4008.00	Gyro	1.00	121.70	4006.94	52.81	-26.70	66.60	0.70
4108.00	Gyro	0.75	132.56	4106.93	54.15	-27.60	67.83	0.30
4208.00	Gyro	0.75	136.51	4206.92	55.38	-28.51	68.76	0.05
4308.00	Gyro	0.50	125.37	4306.92	56.39	-29.24	69.57	0.28
4408.00	Gyro	0.50	150.31	4406.91	57.20	-29.87	70.14	0.22
4508.00	Gyro	0.50	198.17	4506.91	57.95	-30.67	70.22	0.41
4608.00	Gyro	0.50	185.11	4606.91	58.65	-31.52	70.05	0.11
4708.00	Gyro	0.50	270.97	4706.90	58.83	-31.94	69.57	0.68
4808.00	Gyro	0.50	259.91	4806.90	58.51	-32.01	68.70	0.10
4908.00	Gyro	0.50	261.78	4906.90	58.27	-32.15	67.84	0.02
5008.00	Gyro	0.75	319.72	5006.89	57.51	-31.71	66.99	0.64
5108.00	Gyro	0.50	320.58	5106.89	56.45	-30.88	66.29	0.25
5208.00	Gyro	0.50	301.63	5206.88	55.66	-30.31	65.64	0.16
5308.00	Gyro	0.50	306.73	5306.88	54.91	-29.82	64.92	0.04
5408.00	Gyro	0.50	319.78	5406.87	54.10	-29.23	64.29	0.11
5508.00	Gyro	0.50	149.89	5506.87	54.11	-29.27	64.22	1.00
5608.00	Gyro	0.25	101.93	5606.87	54.68	-29.70	64.66	0.38
5708.00	Gyro	0.75	345.04	5706.87	54.17	-29.11	64.70	0.89
5808.00	Gyro	0.50	118.09	5806.87	53.88	-28.68	64.92	1.15
5908.00	Gyro	0.50	70.19	5906.86	54.27	-28.74	65.71	0.41
6008.00	Gyro	1.00	82.24	6006.85	54.58	-28.47	66.99	0.52
6108.00	Gyro	1.00	89.35	6106.84	55.21	-28.35	68.72	0.12
6208.00	Gyro	1.00	102.39	6206.82	56.12	-28.52	70.45	0.23
6308.00	Gyro	0.75	109.50	6306.81	57.12	-28.93	71.92	0.27
6408.00	Gyro	1.00	119.55	6406.80	58.30	-29.58	73.29	0.29
6508.00	Gyro	0.50	137.70	6506.79	59.43	-30.33	74.35	0.55
6608.00	Gyro	0.50	162.81	6606.79	60.28	-31.07	74.77	0.22
6708.00	Gyro	0.75	165.97	6706.78	61.35	-32.12	75.06	0.25
6755.00	User mag	0.80	160.01	6753.78	61.98	-32.73	75.24	0.20
6819.00	User mag	0.45	163.90	6817.77	62.67	-33.39	75.47	0.55
6883.00	User mag	0.53	166.80	6881.77	63.21	-33.92	75.60	0.13

Scientific Drilling

Survey Report

Well Name: Potoczny Unit A #2H

Survey: Computed from Potoczny Unit A #2H - Plan #6.txt's Potoczny Unit A #2H - Plan #6.txt

Survey Date: 7/16/2010, 7/20/2010, 7/21/2010, 7/24/2010

MD ft	Type	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
6946.00	User mag	2.09	113.57	6944.75	64.36	-34.66	76.73	2.90
7010.00	User mag	5.43	111.35	7008.61	67.46	-36.23	80.62	5.21
7074.00	User mag	9.09	114.35	7072.08	73.54	-39.42	88.04	5.74
7136.00	User mag	12.78	118.04	7132.95	82.80	-44.66	98.56	6.06
7201.00	User mag	16.13	120.32	7195.88	96.07	-52.60	112.70	5.23
7233.00	User mag	18.75	121.18	7226.41	104.05	-57.51	120.94	8.23
7265.00	User mag	21.00	121.11	7256.50	113.14	-63.14	130.25	7.03
7296.00	User mag	23.04	120.03	7285.24	122.79	-69.05	140.26	6.70
7328.00	User mag	25.22	118.78	7314.44	133.49	-75.46	151.66	7.00
7360.00	User mag	27.42	117.69	7343.12	144.94	-82.17	164.16	7.03
7391.00	User mag	29.20	117.63	7370.41	156.71	-88.99	177.18	5.77
7423.00	User mag	31.36	118.90	7398.04	169.74	-96.64	191.39	7.03
7455.00	User mag	33.61	119.10	7425.03	183.74	-104.97	206.42	7.04
7486.00	User mag	36.01	119.35	7450.49	198.19	-113.61	221.86	7.74
7518.00	User mag	38.54	119.44	7475.95	214.06	-123.12	238.75	7.92
7550.00	User mag	41.18	120.07	7500.51	230.92	-133.31	256.55	8.33
7582.00	User mag	43.52	120.43	7524.16	248.75	-144.17	275.17	7.38
7614.00	User mag	45.72	119.91	7546.93	267.32	-155.46	294.60	6.94
7645.00	User mag	47.52	119.58	7568.22	285.84	-166.64	314.16	5.87
7677.00	User mag	49.39	119.91	7589.45	305.53	-178.52	334.95	5.90
7709.00	User mag	51.22	118.35	7609.88	325.62	-190.50	356.46	6.84
7741.00	User mag	53.24	117.61	7629.48	345.95	-202.37	378.80	6.56
7773.00	User mag	55.47	117.90	7648.13	366.80	-214.48	401.81	7.03
7804.00	User mag	57.56	117.97	7665.23	387.58	-226.59	424.65	6.74
7836.00	User mag	59.48	118.88	7681.94	409.65	-239.58	448.65	6.45
7868.00	User mag	60.58	119.05	7697.93	432.22	-253.00	472.90	3.49
7900.00	User mag	61.50	120.02	7713.42	455.18	-266.80	497.26	3.92
7932.00	User mag	63.39	119.94	7728.22	478.57	-280.98	521.84	5.91
7963.00	User mag	66.03	120.59	7741.46	501.76	-295.11	546.04	8.73
7995.00	User mag	68.26	121.46	7753.89	526.37	-310.31	571.31	7.38
8027.00	User mag	70.34	121.72	7765.20	551.51	-325.99	596.81	6.57
8059.00	User mag	71.16	122.02	7775.75	576.97	-341.94	622.46	2.70
8091.00	User mag	71.60	123.50	7785.97	602.77	-358.35	647.96	4.58
8123.00	User mag	72.34	126.48	7795.88	629.26	-375.80	672.88	9.17
8155.00	User mag	73.12	128.95	7805.38	656.55	-394.49	697.05	7.76
8187.00	User mag	74.08	131.36	7814.42	684.53	-414.29	720.51	7.83
8219.00	User mag	75.47	133.74	7822.82	713.18	-435.17	743.25	8.38
8250.00	User mag	77.62	137.15	7830.04	741.68	-456.65	764.40	12.74
8282.00	User mag	79.57	140.03	7836.37	771.85	-480.17	785.14	10.72

Scientific Drilling

Survey Report

Well Name: Potoczny Unit A #2H

Survey: Computed from Potoczny Unit A #2H - Plan #6.txt's Potoczny Unit A #2H - Plan #6.txt

Survey Date: 7/16/2010, 7/20/2010, 7/21/2010, 7/24/2010

MD ft	Type	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
8314.00	User mag	80.55	142.16	7841.90	802.51	-504.70	804.93	7.24
8346.00	User mag	81.48	144.71	7846.89	833.53	-530.08	823.76	8.41
8378.00	User mag	83.25	146.63	7851.15	864.88	-556.27	841.64	8.10
8410.00	User mag	86.01	147.87	7854.14	896.48	-583.07	858.88	9.46
8442.00	User mag	88.96	149.04	7855.55	928.27	-610.31	875.60	9.92
8473.00	User mag	89.87	149.86	7855.87	959.15	-637.00	891.35	3.94
8505.00	User mag	91.75	153.12	7855.42	991.10	-665.12	906.62	11.76
8537.00	User mag	92.72	155.96	7854.17	1023.07	-693.98	920.37	9.38
8600.00	User mag	93.16	160.76	7850.94	1085.82	-752.45	943.56	7.64
8664.00	User mag	93.69	161.23	7847.11	1149.29	-812.85	964.36	1.10
8728.00	User mag	92.92	161.65	7843.42	1212.71	-873.42	984.70	1.37
8791.00	User mag	92.39	163.68	7840.51	1274.99	-933.49	1003.45	3.33
8854.00	User mag	92.69	164.89	7837.72	1337.01	-994.08	1020.50	1.98
8918.00	User mag	90.47	164.13	7835.96	1399.99	-1055.72	1037.58	3.66
8982.00	User mag	90.44	164.25	7835.45	1463.07	-1117.30	1055.02	0.19
9046.00	User mag	90.77	166.44	7834.78	1525.91	-1179.21	1071.22	3.46
9110.00	User mag	91.28	167.66	7833.63	1588.36	-1241.57	1085.56	2.06
9173.00	User mag	92.59	168.58	7831.51	1649.54	-1303.18	1098.52	2.54
9236.00	User mag	93.49	168.18	7828.17	1710.60	-1364.81	1111.19	1.56
9300.00	User mag	93.33	168.03	7824.37	1772.68	-1427.32	1124.36	0.35
9363.00	User mag	92.55	169.60	7821.14	1833.63	-1489.04	1136.57	2.79
9426.00	User mag	92.92	169.61	7818.14	1894.36	-1550.94	1147.92	0.59
9458.00	User mag	93.09	169.65	7816.46	1925.21	-1582.37	1153.67	0.54
9522.00	User mag	91.91	170.42	7813.67	1986.79	-1645.34	1164.73	2.20
9586.00	User mag	91.58	172.05	7811.72	2048.03	-1708.56	1174.48	2.59
9618.00	User mag	92.01	171.87	7810.72	2078.54	-1740.23	1178.95	1.48
9682.00	User mag	92.08	171.45	7808.43	2139.63	-1803.52	1188.23	0.67
9745.00	User mag	91.68	172.01	7806.37	2199.76	-1865.83	1197.29	1.09
9809.00	User mag	92.45	172.29	7804.07	2260.69	-1929.19	1206.03	1.28
9873.00	User mag	92.85	172.50	7801.11	2321.51	-1992.55	1214.49	0.72
9936.00	User mag	90.87	169.56	7799.06	2381.85	-2054.74	1224.30	5.64
10000.00	User mag	89.93	169.09	7798.61	2443.70	-2117.63	1236.16	1.64
10063.00	User mag	90.67	168.77	7798.28	2504.70	-2179.46	1248.26	1.27
10127.00	User mag	91.85	168.90	7796.87	2566.67	-2242.23	1260.64	1.85
10190.00	User mag	92.25	168.65	7794.62	2627.68	-2303.99	1272.90	0.75
10254.00	User mag	90.94	167.39	7792.84	2689.86	-2366.56	1286.18	2.84
10318.00	User mag	89.23	166.56	7792.75	2752.34	-2428.92	1300.60	2.97

TD 10417 7793

WR-35
Rev (5-01)

DATE: 06-24-2011
API # : 47-5901894

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

Well Operator's Report of Well Work

Farm name: Quality Natural Gas Properties, LTD Operator Well NO.: 1817

LOCATION: Elevation: 753' Quadrangle: MATEWAN

District: MAGNOLIA County: MINGO
Latitude: 9,869 Feet South of 37 Deg. 35 Min. 00 Sec.
Longitude 2,545 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"	111'	103'	
WHARNCLIFFE, WV 25651	9 5/8"	319'	319'	236
Agent: JAMES HILL	7"	1988'	1988'	425
Inspector: GARY SCITES	4 ½"	4557'	4557'	314
Date Permit Issued: 01/04/2008				
Date Well Work Commenced: 11/03/09				
Date Well Work Completed: 11/10/09				
Verbal Plugging:				
Date Permission granted on:				
Rotary YES Cable Rig				
Total Depth (feet): 4,593'				
Fresh Water Depth (ft.):				
Salt Water Depth (ft.):				
Is coal being mined in area (N/Y)? NO				
Coal Depths (ft.): 70-73', 220-224'				

RECEIVED
WV DEP
JUN 30 2011
Office of Oil and Gas

OPEN FLOW DATA

Producing formation Shale, Shale/Berea Pay zone depth (ft) SEE ATTACHED
Gas: Initial open flow 0 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 Kenzie

Date: June 27, 2011

API# 47-5901984 WELL 1817

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 @ 2433' - WEIR/NO GAS
8	30	SANDSTONE			GAS CHECK @ 3004' - B. SHALE/NO GAS
30	70	SAND/SHALE			GAS CHECK @ 4593' - TD/NO GAS
70	73	COAL			
73	220	SAND/SHALE			
220	224	COAL			
224	1923	SAND/SHALE			
1923	1978	SHALE			
1978	2030	LITTLE LIME			
2030	2265	BIG LIME			
2265	2373	INJUN			
2373	2397	WEIR			
2397	2560	SAND/SHALE			
2560	2917	SHALE			
2917	2970	BEREA			
2970	4593	SHALE			

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

WELL NAME & NO.	QUALITY NATURAL GAS, #1817
API #	47-5901984
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	

RECEIVED
JUN 30 2011
Office of
Oil and Gas

WR-35

RECEIVED
Office of Oil & Gas
NOV - 1 2010
WV Department of
Environmental Protection

DATE: October 27, 2010
API #: 47-8509876

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: Elbert, Hubert F. Operator Well No.: Miller #29

LOCATION: Elevation: 1120 Quadrangle: Smithville

District: Murphy County: Ritchie
Latitude: ____ Feet South of ____ Deg. ____ Min. ____ Sec.
Longitude ____ Feet West of ____ Deg. ____ Min. ____ Sec.

Company: Buckeye Oil Producing Co.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: PO Box 129				
Wooster, OH 44691	9-5/8	255	255	Cmt to surface
Agent: Henry W. Sinnett	7	1931	1931	144 cu ft
Inspector: Ed Gainer				
Date Permit Issued: 6/1/2010				
Date Well Work Commenced: 7/10/10				
Date Well Work Completed: 8/15/10				
Verbal Plugging:				
Date Permission granted on:				
Rotary Y Cable Rig				
Total Depth (feet): 1790				
Fresh Water Depth (ft.): 60				
Salt Water Depth (ft.): 1140				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): ____				

OPEN FLOW DATA

Producing formation Maxton Pay zone depth (ft) 1940-1970
Gas: Initial open flow 50 MCF/d Oil: Initial open flow 10 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 410 psig (surface pressure) after 48 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: Mark S. Lytle
By: Mark S. Lytle, CEO
Date: 10/27/10

	Maxton	
~~Perforation interval~~ Open Hole	1928 - 1970	
# of Perforations	Open Hole	
Type of Frac	Did no frac	
Sks. Of Sand		

Well producing natural - did not frac. Did not log.

Set 7" on top of Maxton. Drilled out with 2-7/8 bit on bottom and seating nipple 30' above bit. Drilled from 1928 to 1970 and produced well.

FORMATION	TOP FEET	BOTTOM	REMARKS
3rd Salt Sand	1810	1860	
Maxton	1920	1970	show gas 1960 show oil 1970
TD 1970			

WR-35
Rev (5-01)

DATE: 27-Sept-2011
API #: 47-085-09936

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

Well Operator's Report of Well Work

Farm name: Beall, Russell c/o Donna Beall Bishop Operator Well No.: R.B. Gill #M3

LOCATION: Elevation: 1,030' Quadrangle: Smithville 7.5'

District: Murphy County: Ritchie
Latitude: 4,500 Feet South of 39 Deg. 02 Min 30 Sec.
Longitude 9,190 Feet West of 81 Deg. 00 Min 00 Sec.

Company: Murvin & Meier Oil Co.

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: P. O. Box 396				
Olney, Illinois 62450				
Agent: P. Nathan Bowles, Jr.				
Inspector: Mr. David Cowan	11 ¾"	253.8'	253.8'	177
Date Permit Issued: 09/27/2011				
Date Well Work Commenced: 10/10/2011				
Date Well Work Completed: 10/20/2011				
Verbal Plugging: Yes – Mr. David Cowan				
Date Permission granted on: 10/20/11				
Rotary Cable Rig				
Total Depth (feet): 1,931'				
Fresh Water Depth (ft.): Damp – 50'				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? N				
Coal Depths (ft.): None				

OPEN FLOW DATA

Producing formation None 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 None 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
Office of Oil & Gas
NOV 30 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 WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

Signed: MURVIN & MEIER OIL CO.
By: Gary L. Hill Vice-Pres.
Date: October 20, 2011

Completion None

WELL LOG

Formation	Top	Bottom
Sand	0	5
Red Rock	5	10
Sand	10	40
Shale	40	50
Sand/Shale	50	120
Red Rock	120	125
Sand/Shale	125	167
Red Rock	167	176
Sand	176	250
Sand/Shale	250	540
Sand	540	570
Sand/shale	570	650
Red Rock	650	670
Shale	670	725
Red Rock	725	765
Sand/Shale	765	1215
Sand/Shale/Red Rock	1215	1275
Sand	1275	1770
Maxon	1770	1805
Sand/Shale	1805	1890
Little Lime	1890	1918
Shale	1918	1927
Big Lime	1927	1931

Total Depth 1931

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: July 11, 2011
API #: 47-103-02551
REVISED

Farm name: Wheeling Jesuit University Operator Well No.: Lantz-Mills Unit 2 #1H

LOCATION: Elevation: 764' Quadrangle: Pine Grove

District: Grant County: Wetzel
Latitude: 6,800 Feet South of 39 Deg. 32 Min. 30 Sec.
Longitude 6,490 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: Tim McGregor	13-3/8"	626'	626'	624
Inspector: David Scranage	9-5/8"	2,184'	2,184'	1,026
Date Permit Issued: 02/26/2010	5-1/2"		10,683'	2,724
Date Well Work Commenced: 03/10/2010	2-3/8"		7,304'	
Date Well Work Completed: 08/29/2010				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft): 6,741				
Total Measured Depth (ft): 10,680				
Fresh Water Depth (ft.): 30				
Salt Water Depth (ft.): 1,295				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): 475				
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) 7,459' MD to 10,298' MD
Gas: Initial open flow 1,172 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 1,845 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 255 Hours
Static rock Pressure 3,056 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

RECEIVED
Office of Oil & Gas
JUL 18 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 7/12/2011
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 7,459' MD to 10,298' MD.
Performed an 7 stage slick water frac.
Injected 7,812 gal of 15% HCl, 2,927,273 gal of water, 630,951 lbs of 80/100 Mesh sand, and 2,487,465 lbs of 40/70 Mesh sand.
Average injection rate was 76.1 BPM.

Formations Encountered: Top Depth / Bottom Depth
Surface:

** NOTE: See Attached Sheet for Formation Depths

RECEIVED
Office of Oil & Gas
JUL 18 2011
WV Department of
Environmental Protection

Stone Energy Corporation
Lantz-Mills Unit 2 #1H (API # 47-103-02551)
WR-35 Well Operator's Report of Well Work
Formations Encountered

Formations	Top		Bottom	
	TVD (ft)	MD (ft)	TVD (ft)	MD (ft)
Sandstone and Shale	0 *		475	
Pittsburgh coal	475 *		482	
Sandstone and Shale	482 *		1697	
Little Lime	1697 *		1710	
Sandstone and Shale	1710		1724	
Big Lime	1724 *		1910	
Big Injun sandstone	1910 *		2020	
Shale	2020 *		2346	
Berea sandstone	2346 *		2396	
Shale	2396 *		2550	
Gordon	2550 *		2621	
Shale	2621 *		4853	
Riley shale	4853 *		4927	
Shale	4927 *		4960	
Benson siltstone	4960 *		4990	
Shale	4990 *		5208	
Pipe Creek shale	5208 *		5211	
Shale	5211 *		5217	
Lower Alexander shale	5217 ~		5263	5265
Shale	5263 ~	5265	6131	6160
Rhinestreet shale	6131 ~	6160	6368	6450
Cashaqua shale	6368 ~	6450	6516	6670
Middlesex shale	6516 ~	6670	6545	6717
West River shale	6545 ~	6717	6632	6880
Geneseo shale	6632 ~	6880	6646	6912
Tully limestone	6646 ~	6912	6714	7090
Hamilton shale	6714 ~	7090	6742	7194
Marcellus shale	6742 ~	7194	6741	10680
TD	6741 ~	10680		

* Formation elevations from pilot hole log and Driller's Log
~ From KOP elevations taken from Gamma log of MWD tool

RECEIVED
Office of Oil & Gas

JUL 18 2011

WV Department of
Environmental Protection

Job Number: □
Company: □
Lease/Well: □ Lantz-Mills Unit 2 #1H
Location: □ ORIGINAL HOLE
Rig Name: □
RKB: □
G.L. or M.S.L.: □

State/Country: □
Declination: □
Grid: □
File name: D:\WINSERVE\JOBS\UNIT21HR.SVY
Date/Time: 08-May-10 / 05:42
Curve Name: Work Curve

RECEIVED
Office of Oil & Gas
JUL 18 2011
WV Department of
Environmental Protection

Scientific Drilling

WINSERVE SURVEY CALCULATIONS
Minimum Curvature Method
Vertical Section Plane 337.20
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	WALK RATE Deg/100	BUILD RATE Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
108.00	.25	42.17	108.00	.17	.16	.10	.24	.23	39.05	.23
208.00	.25	76.90	208.00	.39	.52	.16	.65	.15	34.73	.00
308.00	.25	157.62	308.00	.23	.81	-.10	.85	.32	80.72	.00
408.00	.25	199.34	408.00	-.17	.82	-.48	.84	.18	41.72	.00
508.00	.25	167.07	508.00	-.59	.80	-.86	1.00	.14	-32.27	.00
608.00	.50	189.79	607.99	-1.24	.77	-1.44	1.46	.29	22.72	.25
708.00	1.75	186.53	707.97	-3.18	.53	-3.14	3.23	1.25	-3.26	1.25
808.00	1.75	214.24	807.93	-5.96	-.51	-5.30	5.98	.84	27.71	.00
908.00	2.50	221.96	907.86	-8.85	-2.82	-7.06	9.29	.80	7.72	.75
1008.00	3.00	203.71	1007.75	-12.86	-5.33	-9.79	13.93	1.00	-18.25	.50
1108.00	3.50	202.06	1107.58	-18.09	-7.53	-13.76	19.59	.51	-1.65	.50
1208.00	4.25	197.80	1207.35	-24.45	-9.81	-18.73	26.34	.80	-4.26	.75

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	WALK RATE Deg/100	BUILD RATE Deg/100
1308.00	4.25	179.55	1307.08	-31.68	-10.92	-24.97	33.51	1.35	-18.25	.00
1408.00	2.50	155.22	1406.91	-37.37	-9.97	-30.58	38.67	2.22	-24.33	-1.75
1508.00	.75	169.92	1506.87	-39.99	-8.94	-33.40	40.98	1.78	14.70	-1.75
1608.00	1.25	108.64	1606.86	-40.98	-7.80	-34.76	41.72	1.11	-61.28	.50
1708.00	1.25	61.36	1706.83	-40.81	-5.80	-35.37	41.22	1.00	-47.28	.00
1808.00	1.50	215.09	1806.82	-41.36	-5.60	-35.96	41.73	2.68	153.73	.25
1908.00	2.25	163.84	1906.78	-44.31	-5.81	-38.60	44.69	1.76	-51.25	.75
2008.00	3.00	117.53	2006.68	-47.41	-2.94	-42.57	47.50	2.18	-46.31	.75
2108.00	2.00	46.51	2106.60	-47.42	.65	-43.96	47.42	3.02	-71.02	-1.00
2208.00	2.50	342.51	2206.54	-44.14	1.26	-41.18	44.15	2.42	-64.00	.50
2308.00	1.50	325.46	2306.48	-40.98	-.14	-37.72	40.98	1.15	-17.05	-1.00
2408.00	1.50	325.44	2406.45	-38.82	-1.62	-35.16	38.86	.00	-.02	.00
2508.00	1.00	307.40	2506.42	-37.21	-3.06	-33.12	37.34	.63	-18.04	-.50
2608.00	.50	304.38	2606.41	-36.44	-4.11	-32.00	36.67	.50	-3.02	-.50
2708.00	.25	310.35	2706.41	-36.05	-4.64	-31.44	36.35	.25	5.97	-.25
2808.00	.25	284.32	2806.41	-35.85	-5.02	-31.11	36.20	.11	-26.03	.00
2908.00	.25	329.30	2906.41	-35.61	-5.34	-30.76	36.01	.19	44.98	.00
3008.00	.25	323.27	3006.41	-35.25	-5.58	-30.33	35.69	.03	-6.03	.00
3108.00	.50	345.11	3106.41	-34.65	-5.82	-29.69	35.14	.28	21.84	.25
3208.00	.25	315.08	3206.40	-34.08	-6.09	-29.06	34.62	.31	-30.03	-.25
3308.00	.25	315.06	3306.40	-33.77	-6.40	-28.65	34.37	.00	-.02	.00
3408.00	.25	328.03	3406.40	-33.43	-6.67	-28.23	34.09	.06	12.97	.00
3508.00	.50	340.00	3506.40	-32.83	-6.93	-27.58	33.56	.26	11.97	.25
3608.00	.25	333.98	3606.40	-32.23	-7.18	-26.93	33.02	.25	-6.02	-.25
3708.00	.25	326.95	3706.40	-31.85	-7.39	-26.50	32.70	.03	-7.03	.00
3808.00	.50	310.92	3806.39	-31.38	-7.84	-25.89	32.35	.27	-16.03	.25
3908.00	.25	254.90	3906.39	-31.15	-8.38	-25.47	32.26	.42	-56.02	-.25
4008.00	.25	243.97	4006.39	-31.30	-8.79	-25.45	32.51	.05	-10.93	.00
4108.00	.25	235.09	4106.39	-31.53	-9.16	-25.51	32.83	.04	-8.88	.00
4208.00	.25	184.32	4206.39	-31.87	-9.36	-25.75	33.21	.21	-50.77	.00
4308.00	.50	200.54	4306.39	-32.49	-9.53	-26.26	33.86	.27	16.22	.25
4408.00	.25	196.76	4406.39	-33.11	-9.74	-26.75	34.51	.25	-3.78	-.25
4508.00	.50	197.99	4506.38	-33.74	-9.94	-27.25	35.17	.25	1.23	.25
4608.00	.50	215.21	4606.38	-34.51	-10.33	-27.81	36.02	.15	17.22	.00

Work Curve File: D:\WINSERVE\JOBS\UNIT21HR.SVY

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	WALK RATE Deg/100	BUILD RATE Deg/100
4708.00	.50	190.43	4706.38	-35.29	-10.66	-28.40	36.87	.21	-24.78	.00
4808.00	.25	206.65	4806.37	-35.92	-10.83	-28.91	37.51	.27	16.22	-.25
4908.00	.25	221.88	4906.37	-36.27	-11.08	-29.15	37.93	.07	15.23	.00
5008.00	.25	164.10	5006.37	-36.65	-11.16	-29.46	38.31	.24	-57.78	.00
5108.00	.25	188.44	5106.37	-37.07	-11.14	-29.86	38.71	.11	24.34	.00
5208.00	.50	194.66	5206.37	-37.71	-11.28	-30.39	39.36	.25	6.22	.25
5308.00	.25	191.89	5306.37	-38.35	-11.43	-30.92	40.01	.25	-2.77	-.25
5408.00	.25	164.11	5406.37	-38.77	-11.42	-31.31	40.42	.12	-27.78	.00
5508.00	.25	187.33	5506.36	-39.19	-11.39	-31.72	40.82	.10	23.22	.00
5608.00	.25	185.79	5606.36	-39.63	-11.44	-32.10	41.25	.01	-1.54	.00
5708.00	.25	180.00	5706.36	-40.06	-11.46	-32.49	41.67	.03	-5.79	.00
5808.00	.25	180.45	5806.36	-40.50	-11.46	-32.89	42.09	.00	.45	.00
5908.00	.25	260.52	5906.36	-40.75	-11.68	-33.04	42.39	.32	80.07	.00
6003.00	.13	296.00	6001.36	-40.74	-11.98	-32.92	42.47	.17	37.35	-.13
6034.00	.08	274.86	6032.36	-40.72	-12.03	-32.88	42.46	.20	-68.19	-.16
6065.00	.77	11.44	6063.36	-40.52	-12.01	-32.70	42.26	2.53	311.55	2.23
6096.00	3.48	13.54	6094.33	-39.40	-11.75	-31.77	41.11	8.74	6.77	8.74
6126.00	6.09	12.05	6124.23	-36.96	-11.20	-29.73	38.62	8.71	-4.97	8.70
6157.00	9.14	10.73	6154.95	-32.93	-10.40	-26.32	34.53	9.85	-4.26	9.84
6188.00	11.94	11.51	6185.42	-27.37	-9.30	-21.62	28.90	9.04	2.52	9.03
6220.00	15.03	13.91	6216.54	-20.09	-7.65	-15.56	21.50	9.81	7.50	9.66
6252.00	18.44	15.75	6247.18	-11.19	-5.27	-8.27	12.37	10.78	5.75	10.66
6283.00	21.20	15.47	6276.34	-1.07	-2.45	-.04	2.67	8.91	-.90	8.90
6315.00	24.09	15.24	6305.87	10.81	.81	9.65	10.84	9.04	-.72	9.03
6347.00	26.88	15.42	6334.75	24.09	4.45	20.48	24.50	8.72	.56	8.72
6379.00	29.65	18.09	6362.94	38.59	8.84	32.15	39.59	9.51	8.34	8.66
6411.00	32.21	19.48	6390.38	54.16	14.14	44.45	55.97	8.31	4.34	8.00
6443.00	34.22	19.61	6417.15	70.67	20.00	57.40	73.45	6.29	.41	6.28
6475.00	36.34	18.42	6443.28	88.15	26.02	71.18	91.91	6.96	-3.72	6.63
6506.00	37.69	17.55	6468.03	105.90	31.78	85.31	110.56	4.67	-2.81	4.35
6538.00	39.04	16.26	6493.12	124.90	37.55	100.59	130.42	4.90	-4.03	4.22
6570.00	39.89	12.35	6517.83	144.60	42.57	116.81	150.74	8.21	-12.22	2.66
6601.00	43.03	9.64	6541.06	164.75	46.47	133.87	171.18	11.66	-8.74	10.13
6633.00	46.13	8.30	6563.85	186.93	49.96	152.96	193.49	10.12	-4.19	9.69

Work Curve File: D:\WINSERVE\JOBS\UNIT21HR.SVY

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	WALK RATE Deg/100	BUILD RATE Deg/100
6665.00	48.79	6.71	6585.48	210.30	53.03	173.32	216.89	9.08	-4.97	8.31
6696.00	51.15	3.40	6605.42	233.94	55.11	194.31	240.35	11.17	-10.68	7.61
6728.00	53.63	.77	6624.95	259.27	56.03	217.30	265.25	10.12	-8.22	7.75
6760.00	56.39	358.65	6643.30	285.48	55.88	241.52	290.90	10.19	-6.63	8.62
6791.00	59.04	355.33	6659.86	311.64	54.50	266.17	316.37	12.45	-10.71	8.55
6822.00	62.18	354.24	6675.07	338.54	52.04	291.92	342.51	10.58	-3.52	10.13
6854.00	64.94	352.57	6689.32	367.00	48.74	319.43	370.22	9.81	-5.22	8.62
6886.00	67.58	351.14	6702.20	395.99	44.59	347.77	398.49	9.21	-4.47	8.25
6918.00	69.72	349.74	6713.85	425.38	39.64	376.78	427.22	7.83	-4.37	6.69
6950.00	71.61	345.54	6724.45	454.86	33.17	406.46	456.07	13.72	-13.13	5.91
6982.00	73.65	344.78	6734.01	484.38	25.35	436.71	485.04	6.77	-2.37	6.38
7014.00	76.43	343.67	6742.27	514.13	16.94	467.39	514.41	9.31	-3.47	8.69
7060.00	79.66	342.18	6751.79	557.14	3.73	512.16	557.15	7.70	-3.24	7.02
7092.00	81.20	342.30	6757.11	587.19	-5.90	543.59	587.22	4.83	.37	4.81
7124.00	83.31	341.58	6761.43	617.33	-15.73	575.19	617.53	6.96	-2.25	6.59
7155.00	85.33	340.47	6764.49	646.50	-25.76	605.97	647.01	7.43	-3.58	6.52
7187.00	87.01	340.22	6766.63	676.57	-36.50	637.85	677.55	5.31	-.78	5.25
7219.00	86.64	339.11	6768.40	706.53	-47.60	669.77	708.13	3.65	-3.47	-1.16
7251.00	87.11	339.11	6770.15	736.38	-58.99	701.70	738.74	1.47	.00	1.47
7283.00	87.78	339.28	6771.57	766.26	-70.35	733.65	769.49	2.16	.53	2.09
7315.00	90.40	339.09	6772.08	796.17	-81.72	765.62	800.35	8.21	-.59	8.19
7347.00	90.54	338.93	6771.82	826.04	-93.18	797.61	831.28	.66	-.50	.44
7379.00	90.47	338.42	6771.54	855.85	-104.81	829.60	862.25	1.61	-1.59	-.22
7411.00	90.27	338.30	6771.33	885.60	-116.61	861.59	893.24	.73	-.38	-.63
7442.00	90.34	338.88	6771.17	914.46	-127.93	892.58	923.36	1.88	1.87	.23
7474.00	91.04	339.66	6770.78	944.38	-139.26	924.55	954.59	3.28	2.44	2.19
7506.00	90.03	339.00	6770.48	974.32	-150.55	956.53	985.88	3.77	-2.06	-3.16
7538.00	88.19	338.55	6770.98	1004.14	-162.13	988.51	1017.15	5.92	-1.41	-5.75
7570.00	86.57	337.58	6772.44	1033.79	-174.08	1020.47	1048.35	5.90	-3.03	-5.06
7602.00	85.06	336.57	6774.78	1063.19	-186.51	1052.39	1079.42	5.67	-3.16	-4.72
7633.00	85.12	336.46	6777.43	1091.52	-198.81	1083.27	1109.47	.40	-.35	.19
7665.00	85.67	335.78	6780.00	1120.68	-211.73	1115.16	1140.51	2.73	-2.13	1.72
7697.00	85.83	335.74	6782.37	1149.78	-224.83	1147.06	1171.56	.52	-.12	.50
7729.00	86.38	336.03	6784.54	1178.92	-237.87	1178.98	1202.68	1.94	.91	1.72

Work Curve File: D:\WINSERVE\JOBS\UNIT21HR.SVY

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	WALK RATE Deg/100	BUILD RATE Deg/100
7760.00	87.48	335.65	6786.21	1207.16	-250.54	1209.93	1232.89	3.75	-1.23	3.55
7792.00	88.49	335.42	6787.33	1236.27	-263.79	1241.89	1264.10	3.24	-.72	3.16
7824.00	90.24	336.28	6787.68	1265.47	-276.88	1273.88	1295.40	6.09	2.69	5.47
7856.00	91.64	337.47	6787.16	1294.89	-289.44	1305.88	1326.85	5.74	3.72	4.38
7888.00	92.12	336.99	6786.11	1324.38	-301.82	1337.86	1358.34	2.12	-1.50	1.50
7920.00	92.35	336.97	6784.86	1353.81	-314.32	1369.83	1389.82	.72	-.06	.72
7951.00	92.59	337.07	6783.53	1382.32	-326.42	1400.80	1420.34	.84	.32	.77
8016.00	92.69	337.22	6780.53	1442.16	-351.64	1465.74	1484.41	.28	.23	.15
8078.00	92.39	337.05	6777.78	1499.23	-375.70	1527.67	1545.59	.56	-.27	-.48
8141.00	92.45	335.62	6775.12	1556.88	-400.97	1590.61	1607.68	2.27	-2.27	.10
8205.00	91.81	335.32	6772.75	1615.06	-427.52	1654.54	1670.69	1.10	-.47	-1.00
8268.00	91.85	335.58	6770.73	1672.34	-453.68	1717.47	1732.78	.42	.41	.06
8300.00	91.48	335.55	6769.80	1701.46	-466.91	1749.45	1764.36	1.16	-.09	-1.16
8332.00	91.41	334.46	6769.00	1730.45	-480.43	1781.41	1795.91	3.41	-3.41	-.22
8396.00	90.81	332.93	6767.76	1787.81	-508.79	1845.28	1858.80	2.57	-2.39	-.94
8460.00	91.45	332.73	6766.50	1844.74	-538.00	1909.08	1921.59	1.05	-.31	1.00
8524.00	91.58	331.82	6764.80	1901.37	-567.77	1972.82	1984.33	1.44	-1.42	.20
8587.00	92.32	332.18	6762.66	1956.96	-597.33	2035.53	2046.09	1.31	.57	1.17
8651.00	92.25	331.45	6760.11	2013.33	-627.53	2099.19	2108.86	1.14	-1.14	-.11
8714.00	91.34	330.24	6758.13	2068.32	-658.21	2161.77	2170.52	2.40	-1.92	-1.44
8777.00	90.44	329.74	6757.16	2122.87	-689.71	2224.27	2232.10	1.63	-.79	-1.43
8841.00	90.91	330.11	6756.40	2178.24	-721.78	2287.75	2294.72	.93	.58	.73
8904.00	91.35	330.30	6755.16	2232.91	-753.08	2350.26	2356.48	.76	.30	.70
8968.00	90.67	327.36	6754.03	2287.65	-786.20	2413.57	2418.98	4.71	-4.59	-1.06
9032.00	89.63	325.05	6753.86	2340.83	-821.79	2476.39	2480.90	3.96	-3.61	-1.63
9095.00	90.30	325.32	6753.90	2392.56	-857.76	2538.00	2541.67	1.15	.43	1.06
9159.00	90.74	325.88	6753.32	2445.36	-893.92	2600.69	2603.63	1.11	.88	.69
9222.00	91.21	326.45	6752.25	2497.68	-928.99	2662.52	2664.85	1.17	.90	.75
9285.00	90.87	326.38	6751.11	2550.16	-963.83	2724.40	2726.22	.55	-.11	-.54
9349.00	89.46	324.61	6750.92	2602.90	-1000.09	2787.06	2788.41	3.54	-2.77	-2.20
9413.00	89.83	324.63	6751.32	2655.08	-1037.14	2849.52	2850.45	.58	.03	.58

Work Curve File: D:\WINSERVE\JOBS\UNIT21HR.SVY

Scientific Drilling

Survey Report

SIDE TRACK

Well Name:	LANTZ MILLS UNIT #2 1H-ST1
Survey:	Computed from MWDRun Lantz Mills Unit 2 1H ST1 Run 2's RawMSur
Survey Date:	5/19/2010, 5/21/2010, 5/22/2010, 5/26/2010, 5/27/2010

MD ft	Type	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
4508.00	Tie-in	0.50	197.99	4506.38	-27.25	-33.74	-9.94	Invalid
4608.00	User mag	0.50	215.21	4606.38	-27.81	-34.51	-10.33	0.15
4708.00	User mag	0.50	190.43	4706.37	-28.41	-35.30	-10.66	0.21
4808.00	User mag	0.25	206.65	4806.37	-28.92	-35.92	-10.83	0.27
4908.00	User mag	0.25	221.88	4906.37	-29.15	-36.28	-11.08	0.07
5008.00	User mag	0.25	164.10	5006.37	-29.46	-36.65	-11.16	0.24
5108.00	User mag	0.25	188.44	5106.37	-29.86	-37.08	-11.14	0.11
5208.00	User mag	0.50	194.66	5206.37	-30.40	-37.71	-11.28	0.25
5308.00	User mag	0.25	191.89	5306.36	-30.92	-38.35	-11.43	0.25
5408.00	User mag	0.25	164.11	5406.36	-31.32	-38.77	-11.42	0.12
5508.00	User mag	0.25	187.33	5506.36	-31.72	-39.20	-11.39	0.10
5556.00	User mag	0.32	182.78	5554.36	-31.94	-39.44	-11.41	0.15
5590.00	User mag	0.34	199.22	5588.36	-32.10	-39.63	-11.44	0.28
5622.00	User mag	0.21	110.46	5620.36	-32.21	-39.74	-11.42	1.24
5654.00	User mag	1.93	30.16	5652.35	-31.92	-39.29	-11.09	5.94
5686.00	User mag	5.48	38.41	5684.28	-30.86	-37.63	-9.87	11.19
5718.00	User mag	8.54	32.81	5716.04	-28.78	-34.43	-7.64	9.79
5750.00	User mag	11.99	30.90	5747.52	-25.47	-29.58	-4.64	10.85
5781.00	User mag	13.67	30.79	5777.75	-21.39	-23.67	-1.11	5.41
5813.00	User mag	16.31	29.09	5808.66	-16.37	-16.50	3.01	8.35
5845.00	User mag	17.76	27.15	5839.25	-10.46	-8.23	7.42	4.86
5877.00	User mag	18.54	27.07	5869.66	-4.04	0.64	11.96	2.47
5908.00	User mag	19.19	28.20	5898.99	2.34	9.52	16.61	2.40
5940.00	Mag	20.30	26.69	5929.11	9.26	19.12	21.59	3.81
5972.00	User mag	21.43	25.90	5959.01	16.72	29.34	26.64	3.63
6004.00	User mag	22.01	25.27	5988.74	24.58	40.02	31.75	1.96
6036.00	User mag	22.26	25.85	6018.38	32.60	50.89	36.96	1.03
6067.00	User mag	22.94	27.56	6047.00	40.33	61.53	42.31	3.06
6099.00	User mag	23.95	27.49	6076.36	48.46	72.82	48.20	3.15
6131.00	User mag	26.14	28.17	6105.35	57.05	84.80	54.52	6.92
6163.00	User mag	27.98	27.35	6133.85	66.30	97.68	61.30	5.86
6195.00	User mag	30.10	26.78	6161.82	76.31	111.52	68.37	6.68
6227.00	User mag	31.71	25.52	6189.28	87.11	126.27	75.61	5.41
6259.00	User mag	33.24	25.09	6216.27	98.58	141.81	82.95	4.84
6291.00	User mag	34.84	25.72	6242.79	110.52	157.98	90.64	5.11
6323.00	User mag	36.14	26.09	6268.84	122.78	174.69	98.75	4.12
6354.00	User mag	37.14	25.91	6293.72	134.96	191.32	106.86	3.26
6386.00	User mag	38.63	25.67	6318.97	147.96	209.02	115.41	4.66
6418.00	User mag	40.40	27.55	6343.66	161.20	227.22	124.53	6.70

Scientific Drilling

Survey Report

Well Name:	LANTZ MILLS UNIT #2 1H-ST1
Survey:	Computed from MWDRun Lantz Mills Unit 2 1H ST1 Run 2's RawMSur
Survey Date:	5/19/2010, 5/21/2010, 5/22/2010, 5/26/2010, 5/27/2010

MD ft	Type	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
6450.00	User mag	43.00	29.77	6367.55	174.46	245.89	134.75	9.34
6482.00	User mag	44.86	28.79	6390.59	188.10	265.25	145.61	6.19
6514.00	User mag	45.50	27.71	6413.15	202.37	285.25	156.35	3.12
6546.00	User mag	46.70	26.03	6435.33	217.30	305.82	166.77	5.34
6577.00	User mag	47.52	26.10	6456.43	232.24	326.22	176.75	2.63
6609.00	User mag	49.14	24.38	6477.71	248.22	347.84	186.94	6.47
6641.00	User mag	50.85	21.82	6498.28	265.28	370.39	196.55	8.13
6673.00	User mag	51.98	19.68	6518.24	283.41	393.78	205.40	6.30
6705.00	User mag	53.11	18.01	6537.70	302.39	417.82	213.61	5.44
6737.00	User mag	54.60	15.90	6556.58	322.26	442.53	221.14	7.08
6769.00	User mag	56.09	14.34	6574.77	343.02	467.94	228.00	6.15
6801.00	User mag	58.38	13.15	6592.09	364.64	494.08	234.39	7.81
6833.00	User mag	60.22	10.45	6608.43	387.29	521.01	240.01	9.27
6864.00	User mag	60.97	8.63	6623.65	410.11	547.64	244.48	5.64
6896.00	User mag	61.99	6.98	6638.93	434.31	575.49	248.30	5.55
6927.00	User mag	63.17	5.10	6653.21	458.41	602.86	251.19	6.59
6959.00	User mag	64.85	2.80	6667.23	484.09	631.55	253.17	8.31
6991.00	User mag	66.30	0.41	6680.47	510.62	660.67	253.98	8.17
7022.00	User mag	68.50	358.87	6692.38	537.07	689.28	253.80	8.46
7054.00	User mag	70.86	356.99	6703.49	565.14	719.27	252.71	9.21
7086.00	User mag	72.90	355.40	6713.44	593.89	749.61	250.69	7.94
7118.00	User mag	73.74	352.95	6722.63	623.21	780.10	247.58	7.78
7150.00	User mag	74.81	350.95	6731.30	652.99	810.60	243.26	6.88
7181.00	User mag	75.48	350.33	6739.25	682.14	840.17	238.39	2.91
7213.00	User mag	77.01	347.46	6746.86	712.57	870.66	232.40	9.93
7245.00	User mag	77.79	345.24	6753.84	743.40	901.01	225.03	7.19
7277.00	User mag	79.49	343.21	6760.14	774.54	931.19	216.50	8.17
7309.00	User mag	82.22	340.00	6765.23	806.03	961.16	206.53	13.07
7333.00	User mag	82.72	339.49	6768.38	829.80	983.49	198.29	2.99
7365.00	User mag	85.43	338.31	6771.68	861.61	1013.18	186.84	9.20
7397.00	User mag	86.91	337.33	6773.82	893.53	1042.74	174.78	5.56
7428.00	User mag	86.97	336.06	6775.47	924.49	1071.17	162.54	4.11
7460.00	User mag	86.27	334.74	6777.36	956.42	1100.21	149.24	4.66
7492.00	User mag	86.23	334.64	6779.45	988.32	1129.08	135.59	0.33
7524.00	User mag	86.54	334.99	6781.47	1020.23	1157.98	121.99	1.45
7556.00	User mag	86.54	334.08	6783.40	1052.13	1186.82	108.26	2.84
7588.00	User mag	87.21	332.43	6785.15	1084.01	1215.35	93.88	5.55
7620.00	User mag	86.77	330.36	6786.83	1115.80	1243.41	78.58	6.61

Scientific Drilling

Survey Report

Well Name:	LANTZ MILLS UNIT #2 1H-ST1
Survey:	Computed from MWDRun Lantz Mills Unit 2 1H ST1 Run 2's RawMSur
Survey Date:	5/19/2010, 5/21/2010, 5/22/2010, 5/26/2010, 5/27/2010

MD ft	Type	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
7652.00	User mag	87.01	329.52	6788.56	1147.49	1271.06	62.58	2.75
7684.00	User mag	88.19	325.43	6789.90	1179.00	1298.01	45.39	13.27
7716.00	User mag	91.24	326.66	6790.06	1210.39	1324.55	27.52	10.30
7748.00	User mag	92.76	327.11	6788.94	1241.85	1351.34	10.05	4.93
7780.00	User mag	92.89	326.72	6787.37	1273.30	1378.12	-7.40	1.29
7811.00	User mag	93.16	326.41	6785.73	1303.73	1403.95	-24.45	1.32
7843.00	User mag	93.02	326.63	6784.01	1335.13	1430.60	-42.08	0.80
7875.00	User mag	92.65	327.40	6782.43	1366.58	1457.41	-59.48	2.69
7907.00	User mag	92.72	327.43	6780.93	1398.08	1484.34	-76.69	0.23
7970.00	User mag	91.81	328.67	6778.43	1460.23	1537.76	-110.01	2.43
8002.00	User mag	90.27	329.10	6777.85	1491.89	1565.15	-126.54	5.02
8035.00	User mag	90.17	328.35	6777.73	1524.53	1593.35	-143.67	2.29
8065.00	User mag	90.07	328.39	6777.66	1554.17	1618.89	-159.40	0.36
8097.00	User mag	90.03	328.06	6777.64	1585.78	1646.10	-176.26	1.04
8129.00	User mag	90.37	328.33	6777.52	1617.38	1673.29	-193.12	1.36
8160.00	User mag	90.37	327.88	6777.32	1647.99	1699.61	-209.50	1.46
8224.00	User mag	91.21	328.64	6776.44	1711.21	1754.04	-243.16	1.77
8288.00	User mag	91.27	328.93	6775.06	1774.51	1808.76	-276.32	0.47
8352.00	User mag	91.11	329.42	6773.73	1837.87	1863.71	-309.10	0.81
8415.00	User mag	90.24	329.87	6772.99	1900.31	1918.07	-340.94	1.55
8479.00	User mag	90.10	331.75	6772.80	1963.91	1973.94	-372.15	2.94
8543.00	User mag	90.87	333.35	6772.26	2027.70	2030.73	-401.65	2.78
8606.00	User mag	91.11	335.43	6771.17	2090.61	2087.53	-428.88	3.32
8670.00	User mag	90.84	335.02	6770.08	2154.56	2145.63	-455.69	0.76
8734.00	User mag	90.94	335.31	6769.09	2218.51	2203.70	-482.57	0.48
8797.00	User mag	90.84	333.67	6768.11	2281.43	2260.55	-509.70	2.61
8861.00	User mag	91.41	334.80	6766.85	2345.33	2318.17	-537.51	1.97
8925.00	User mag	91.48	335.97	6765.24	2409.28	2376.34	-564.16	1.83
8988.00	User mag	91.58	335.18	6763.56	2472.23	2433.68	-590.20	1.26
9052.00	User mag	91.75	336.04	6761.70	2536.18	2491.94	-616.62	1.36
9115.00	User mag	92.15	335.99	6759.56	2599.13	2549.47	-642.22	0.64
9179.00	User mag	91.88	334.57	6757.31	2663.05	2607.57	-668.96	2.25
9243.00	User mag	92.52	334.87	6754.85	2726.95	2665.39	-696.28	1.10
9306.00	User mag	92.76	333.33	6751.95	2789.78	2722.00	-723.76	2.46
9370.00	User mag	93.15	333.40	6748.66	2853.56	2779.14	-752.41	0.63
9434.00	User mag	92.95	332.52	6745.25	2917.29	2836.06	-781.47	1.40
9497.00	User mag	91.98	330.64	6742.54	2979.93	2891.42	-811.42	3.36
9561.00	User mag	89.87	328.61	6741.51	3043.35	2946.62	-843.77	4.59

Scientific Drilling

Survey Report

Well Name:	LANTZ MILLS UNIT #2 1H-ST1
Survey:	Computed from MWDRun Lantz Mills Unit 2 1H ST1 Run 2's RawMSur
Survey Date:	5/19/2010, 5/21/2010, 5/22/2010, 5/26/2010, 5/27/2010

MD ft	Type	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
9624.00	User mag	89.56	328.51	6741.82	3105.64	3000.37	-876.63	0.50
9688.00	User mag	89.63	328.66	6742.27	3168.91	3054.98	-909.99	0.26
9751.00	User mag	88.83	327.48	6743.12	3231.11	3108.45	-943.30	2.27
9815.00	User mag	89.19	327.12	6744.22	3294.14	3162.29	-977.88	0.81
9878.00	User mag	91.51	329.41	6743.83	3356.37	3215.87	-1011.01	5.17
9942.00	User mag	91.24	329.00	6742.30	3419.73	3270.82	-1043.77	0.77
10006.00	User mag	90.47	327.77	6741.34	3482.96	3325.32	-1077.32	2.27
10069.00	User mag	89.56	326.89	6741.32	3545.03	3378.35	-1111.33	2.00
10133.00	User mag	90.94	327.64	6741.04	3608.07	3432.18	-1145.93	2.45
10196.00	User mag	90.84	327.72	6740.06	3670.19	3485.41	-1179.61	0.20
10260.00	User mag	89.30	325.97	6739.99	3733.14	3538.99	-1214.62	3.65
10323.00	User mag	91.14	327.48	6739.75	3795.09	3591.65	-1249.18	3.79
10387.00	User mag	92.92	327.49	6737.48	3858.13	3645.59	-1283.55	2.79
10451.00	User mag	91.98	322.09	6734.73	3920.55	3697.81	-1320.41	8.56
10515.00	User mag	88.22	319.33	6734.62	3981.90	3747.33	-1360.92	7.29
10578.00	User mag	87.95	319.27	6736.72	4041.82	3795.07	-1401.98	0.44
10610.00	User mag	87.22	318.28	6738.07	4072.15	3819.11	-1423.05	3.86

TD 10620 6741

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: July 14, 2011
API #: 47-103-02553
REVISED

Farm name: Wheeling Jesuit University Operator Well No.: Lantz-Mills Unit 2 #3H

LOCATION: Elevation: 764' Quadrangle: Pine Grove

District: Grant County: Wetzel
Latitude: 6,760 Feet South of 39 Deg. 32 Min. 30 Sec.
Longitude 6,500 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: Tim McGregor	13-3/8"	622'	622'	517
Inspector: David Scranage	9-5/8"	2,214'	2,214'	938
Date Permit Issued: 02/26/2010	5 1/2"		11,650'	3,098
Date Well Work Commenced: 03/21/2010	2-3/8"		7,337	None
Date Well Work Completed: 03/24/2011				
Verbal Plugging:				
Date Permission granted on:				
Rotary X Cable Rig				
Total Vertical Depth (ft): 6,723				
Total Measured Depth (ft): 11,711				
Fresh Water Depth (ft.): Unknown				
Salt Water Depth (ft.): 1,340				
Is coal being mined in area (N/Y)? N				
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 Pay zone depth (ft) 7,338' MD to 11,454' MD
Gas: Initial open flow 1217 MCF/d Oil: Initial open flow 0 Bbl/d
Final open flow 4261 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 335 Hours
Static rock Pressure 3116 psig (surface pressure) after 12.5 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
Office of Oil & Gas
JUL 18 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.

W. A. [illegible]
Signature

7/14/2011
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 7,338' MD to 11,454' MD.
Performed an 11 stage slick water frac. Injected 21,000 gal 15% HCl, 3,108 gal 28% HCl,
4,935,079 gal fresh water, 1,038,860 lbs 100 Mesh sand, and 3,695,340 lbs of 40/70 Mesh sand.
Average injection rate was 74.4 BPM

Formations Encountered: Top Depth / Bottom Depth
Surface:

Formations encountered are located
on a separate page.

RECEIVED
Office of Oil & Gas
JUL 18 2011
WV Department of
Environmental Protection

Stone Energy Corporation
Lantz-Mills Unit 2 #3H (API # 47-103-02553)
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	*	
Sandstone and Shale	1705			1715	*	
Big Lime	1715	*		1860	*	
Big Injun	1860	*		1944	*	
Shale	1944	*		2135	*	
Weir	2135	*		2137	*	
Shale	2137	*		2346	*	
Berea	2346	*		2366	*	
Shale	2366	*		2550	*	
Gordon	2550	*		2650	*	
Shale	2650	*		4853	*	
Riley Shale	4853	*		4908	*	
Shale	4908	*		4960	*	
Benson	4960	*		4690	*	
Shale	4990	*		5208	*	
Pipe Creek Shale	5208	*		5211	*	
Shale	5211	*		5217	*	
Lower Alexander Shale	5217	*		5329	*	
Shale	5329	*		6141	~	6160
Rhinestreet Shale	6141	~	6160	6382	~	6450
Cashaqua Shale	6382	~	6450	6535	~	6670
Middlesex Shale	6535	~	6670	6564	~	6717
West River Shale	6564	~	6717	6655	~	6880
Geneseo Shale	6655	~	6880	6670	~	6912
Tully Limestone	6670	~	6912	6733	~	7090
Hamilton Shale	6733	~	7090	6758	~	7194
Marcellus Shale	6758	~	7194	6723	~	11711
TD	6723	~	11711			

* Formation elevations estimated from pilot hole.
~ Formation elevations from MWD Gamma Ray

RECEIVED
Office of Oil & Gas
JUL 18 2011
WV Department of
Environmental Protection

Scientific Drilling

Survey Report

Well Name:	LANTZ-MILLS UNIT 2 #3H
Survey:	Computed from MWDRun Lantz-Mills Unit 2 #3H Run 1's Gyro Surveys and MWDRun Lantz-Mills Unit 2 #3H Run...
Survey Date:	6/6/2010

MD ft	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid
108.00	0.25	83.39	108.00	-0.10	0.03	0.23	0.23
208.00	0.00	0.00	208.00	-0.19	0.05	0.45	0.25
308.00	0.00	0.00	308.00	-0.19	0.05	0.45	0.00
408.00	0.00	0.00	408.00	-0.19	0.05	0.45	0.00
508.00	0.25	348.90	508.00	0.01	0.27	0.41	0.25
608.00	0.25	183.16	608.00	0.04	0.26	0.35	0.50
708.00	0.00	0.00	708.00	-0.14	0.04	0.34	0.25
808.00	0.25	252.93	808.00	-0.09	-0.02	0.13	0.25
908.00	0.50	265.06	908.00	0.16	-0.12	-0.51	0.26
1008.00	0.50	271.19	1007.99	0.59	-0.15	-1.38	0.05
1108.00	0.75	284.32	1107.99	1.30	0.02	-2.45	0.29
1208.00	0.75	245.45	1207.98	1.85	-0.09	-3.68	0.50
1308.00	0.25	245.58	1307.97	1.96	-0.45	-4.47	0.50
1408.00	0.50	91.70	1407.97	1.74	-0.55	-4.24	0.73
1508.00	0.75	104.83	1507.97	1.03	-0.73	-3.17	0.29
1608.00	0.50	95.96	1607.96	0.29	-0.95	-2.10	0.27
1708.00	0.25	55.03	1707.96	0.04	-0.87	-1.49	0.35
1808.00	0.25	249.03	1807.96	0.09	-0.82	-1.51	0.50
1908.00	0.25	310.04	1907.96	0.34	-0.76	-1.88	0.25
2008.00	0.50	350.04	2007.96	0.95	-0.19	-2.13	0.35
2108.00	1.00	341.04	2107.95	2.21	1.07	-2.49	0.51
2208.00	1.00	357.04	2207.93	3.83	2.76	-2.81	0.28
2308.00	0.75	338.05	2307.92	5.24	4.24	-3.10	0.38
2408.00	0.50	316.05	2407.91	6.31	5.16	-3.65	0.34
2508.00	0.25	342.06	2507.91	6.95	5.69	-4.02	0.30
2608.00	0.25	344.06	2607.91	7.37	6.10	-4.15	0.01
2708.00	0.24	338.07	2707.91	7.79	6.51	-4.29	0.03
2808.00	0.50	331.09	2807.91	8.43	7.08	-4.58	0.26
2908.00	0.25	350.09	2907.91	9.07	7.68	-4.82	0.28
3008.00	0.25	356.10	3007.91	9.46	8.11	-4.88	0.03
3108.00	0.25	318.10	3107.90	9.87	8.49	-5.04	0.16
3208.00	0.25	301.10	3207.90	10.28	8.77	-5.37	0.07
3308.00	0.50	295.11	3307.90	10.84	9.07	-5.95	0.25
3408.00	0.50	330.11	3407.90	11.64	9.63	-6.56	0.30
3508.00	0.50	301.12	3507.89	12.46	10.23	-7.15	0.25
3608.00	0.50	291.12	3607.89	13.20	10.62	-7.94	0.09
3708.00	0.25	325.15	3707.89	13.76	10.95	-8.47	0.32
3808.00	0.25	309.20	3807.89	14.19	11.27	-8.76	0.07

Scientific Drilling

Survey Report

Well Name:	LANTZ-MILLS UNIT 2 #3H
Survey:	Computed from MWDRun Lantz-Mills Unit 2 #3H Run 1's Gyro Surveys and MWDRun Lantz-Mills Unit 2 #3H Run...
Survey Date:	6/6/2010

MD ft	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
3908.00	0.25	333.26	3907.89	14.61	11.60	-9.03	0.10
4008.00	0.25	285.31	4007.89	14.99	11.85	-9.34	0.20
4108.00	0.50	273.36	4107.88	15.39	11.94	-9.98	0.26
4208.00	0.50	225.42	4207.88	15.55	11.66	-10.73	0.41
4308.00	0.50	210.47	4307.88	15.24	10.97	-11.26	0.13
4408.00	0.50	202.53	4407.87	14.78	10.19	-11.65	0.07
4508.00	0.25	220.58	4507.87	14.46	9.63	-11.96	0.27
4608.00	0.75	211.63	4607.87	14.10	8.90	-12.44	0.50
4708.00	0.25	206.96	4707.86	13.69	8.15	-12.89	0.50
4808.00	0.50	201.01	4807.86	13.31	7.55	-13.14	0.25
4908.00	0.50	183.06	4907.86	12.68	6.71	-13.32	0.16
5008.00	0.50	177.12	5007.85	11.94	5.83	-13.32	0.05
5108.00	0.50	197.17	5107.85	11.27	4.98	-13.43	0.17
5208.00	0.50	207.22	5207.84	10.76	4.18	-13.76	0.09
5308.00	0.25	208.28	5307.84	10.42	3.60	-14.06	0.25
5408.00	0.25	187.33	5407.84	10.14	3.19	-14.19	0.09
5508.00	0.25	162.41	5507.84	9.76	2.76	-14.15	0.11
5600.00	0.25	162.41	5599.84	9.37	2.38	-14.03	0.00
5670.00	0.43	251.33	5669.84	9.28	2.15	-14.23	0.70
5702.00	1.80	287.88	5701.83	9.69	2.27	-14.83	4.63
5734.00	3.76	279.60	5733.79	10.76	2.60	-16.34	6.24
5766.00	5.56	286.52	5765.69	12.60	3.21	-18.86	5.88
5796.00	7.66	291.67	5795.48	15.29	4.37	-22.11	7.25
5827.00	9.96	291.20	5826.12	19.07	6.10	-26.53	7.43
5858.00	11.21	292.41	5856.59	23.64	8.22	-31.82	4.10
5889.00	12.69	293.72	5886.92	28.88	10.73	-37.72	4.84
5920.00	14.46	294.28	5917.05	34.87	13.70	-44.37	5.75
5951.00	16.23	292.51	5946.94	41.58	16.94	-51.90	5.88
5982.00	18.13	289.92	5976.56	48.86	20.25	-60.43	6.61
6013.00	20.17	286.67	6005.84	56.62	23.42	-70.09	7.43
6043.00	21.45	284.43	6033.89	64.42	26.27	-80.36	5.04
6074.00	23.30	286.21	6062.55	73.03	29.40	-91.74	6.34
6104.00	24.46	285.90	6089.98	82.00	32.75	-103.41	3.91
6135.00	25.96	286.95	6118.03	91.80	36.49	-116.07	5.05
6166.00	27.63	288.68	6145.70	102.41	40.77	-129.37	5.92
6197.00	29.00	290.66	6172.99	113.87	45.73	-143.21	5.38
6227.00	30.35	292.81	6199.06	125.77	51.23	-157.01	5.71
6259.00	31.00	293.47	6226.58	139.09	57.65	-172.02	2.30

Scientific Drilling

Survey Report

Well Name:	LANTZ-MILLS UNIT 2 #3H
Survey:	Computed from MWDRun Lantz-Mills Unit 2 #3H Run 1's Gyro Surveys and MWDRun Lantz-Mills Unit 2 #3H Run...
Survey Date:	6/6/2010

MD ft	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
6290.00	32.55	294.47	6252.93	152.55	64.28	-186.93	5.29
6320.00	33.91	294.36	6278.03	166.17	71.08	-201.90	4.51
6351.00	35.71	296.07	6303.48	180.96	78.62	-217.91	6.59
6382.00	36.80	297.51	6328.48	196.56	86.88	-234.27	4.48
6413.00	38.00	298.17	6353.10	212.77	95.68	-250.91	4.07
6444.00	39.17	299.23	6377.34	229.55	104.96	-267.87	4.34
6476.00	40.42	300.11	6401.92	247.50	115.10	-285.66	4.31
6507.00	42.89	301.02	6425.08	265.70	125.58	-303.40	8.18
6538.00	44.90	300.74	6447.42	284.75	136.61	-321.85	6.53
6568.00	46.85	301.22	6468.31	303.85	147.70	-340.31	6.60
6599.00	47.91	301.11	6489.30	324.12	159.50	-359.83	3.42
6631.00	49.16	302.63	6510.49	345.56	172.16	-380.19	5.29
6663.00	50.81	304.35	6531.07	367.78	185.69	-400.62	6.60
6695.00	52.10	305.53	6551.01	390.72	200.02	-421.14	4.95
6727.00	53.50	306.27	6570.36	414.26	214.97	-441.78	4.76
6758.00	53.62	306.31	6588.77	437.35	229.73	-461.88	0.41
6790.00	54.51	308.13	6607.55	461.50	245.40	-482.51	5.39
6822.00	57.01	309.05	6625.55	486.38	261.90	-503.19	8.15
6854.00	59.19	310.54	6642.46	512.11	279.29	-524.05	7.89
6886.00	61.20	312.77	6658.37	538.69	297.75	-544.79	8.70
6918.00	63.69	314.03	6673.17	566.08	317.24	-565.40	8.54
6950.00	66.15	314.74	6686.74	594.19	337.52	-586.11	7.96
6981.00	69.05	315.99	6698.55	622.10	357.91	-606.24	10.07
7013.00	70.86	316.44	6709.52	651.48	379.62	-627.04	5.79
7045.00	72.35	317.09	6719.61	681.21	401.74	-647.84	5.06
7077.00	72.64	316.29	6729.24	711.09	423.95	-668.77	2.54
7109.00	73.15	317.54	6738.65	741.05	446.28	-689.66	4.05
7140.00	75.63	320.06	6746.99	770.48	468.75	-709.32	11.19
7172.00	78.19	320.15	6754.24	801.31	492.66	-729.31	7.98
7204.00	80.28	321.62	6760.22	832.47	517.05	-749.14	7.96
7236.00	82.08	323.08	6765.12	863.91	542.08	-768.45	7.21
7268.00	84.16	325.32	6768.95	895.59	567.85	-787.03	9.51
7300.00	86.44	325.73	6771.58	927.44	594.14	-805.08	7.23
7332.00	88.28	326.68	6773.05	959.38	620.70	-822.86	6.49
7363.00	89.23	326.56	6773.72	990.35	646.58	-839.92	3.06
7395.00	90.03	326.72	6773.93	1022.34	673.31	-857.51	2.58
7427.00	89.83	327.15	6773.97	1054.33	700.13	-874.97	1.47
7459.00	89.83	328.04	6774.06	1086.32	727.14	-892.12	2.79

Scientific Drilling

Survey Report

Well Name:	LANTZ-MILLS UNIT 2 #3H
Survey:	Computed from MWDRun Lantz-Mills Unit 2 #3H Run 1's Gyro Surveys and MWDRun Lantz-Mills Unit 2 #3H Run...
Survey Date:	6/6/2010

MD ft	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
7490.00	90.44	328.64	6773.99	1117.32	753.53	-908.39	2.75
7522.00	91.04	328.93	6773.58	1149.32	780.89	-924.97	2.10
7554.00	91.31	329.18	6772.92	1181.31	808.34	-941.42	1.15
7585.00	90.81	329.96	6772.34	1212.30	835.06	-957.12	2.97
7617.00	90.57	330.11	6771.96	1244.28	862.78	-973.10	0.89
7648.00	90.24	331.25	6771.74	1275.26	889.81	-988.28	3.84
7680.00	90.34	331.72	6771.58	1307.21	917.93	-1003.56	1.49
7712.00	90.30	331.65	6771.40	1339.16	946.10	-1018.73	0.25
7744.00	90.13	331.29	6771.28	1371.12	974.21	-1034.02	1.24
7775.00	90.27	332.24	6771.17	1402.07	1001.52	-1048.68	3.10
7807.00	90.67	332.50	6770.91	1433.99	1029.87	-1063.52	1.50
7839.00	91.21	332.45	6770.38	1465.91	1058.25	-1078.31	1.68
7871.00	90.10	332.74	6770.02	1497.82	1086.65	-1093.03	3.58
7903.00	90.17	332.47	6769.94	1529.74	1115.07	-1107.76	0.88
7966.00	90.71	333.34	6769.46	1592.55	1171.15	-1136.45	1.62
8030.00	90.94	332.92	6768.54	1656.33	1228.23	-1165.37	0.75
8093.00	90.13	334.72	6767.95	1719.05	1284.77	-1193.16	3.13
8157.00	90.24	334.66	6767.74	1782.67	1342.62	-1220.52	0.18
8221.00	90.40	334.10	6767.39	1846.33	1400.33	-1248.20	0.92
8284.00	90.91	334.16	6766.67	1909.02	1457.01	-1275.69	0.80
8348.00	90.34	335.30	6765.97	1972.63	1514.88	-1303.01	2.00
8411.00	90.71	335.58	6765.40	2035.17	1572.18	-1329.19	0.74
8475.00	90.57	336.51	6764.69	2098.60	1630.66	-1355.18	1.46
8539.00	90.54	335.54	6764.07	2162.04	1689.13	-1381.18	1.52
8602.00	91.18	335.13	6763.12	2224.59	1746.38	-1407.47	1.20
8666.00	91.14	334.62	6761.83	2288.17	1804.31	-1434.64	0.79
8729.00	90.57	334.22	6760.89	2350.83	1861.13	-1461.84	1.11
8793.00	90.94	334.43	6760.04	2414.49	1918.80	-1489.57	0.67
8857.00	90.10	334.77	6759.46	2478.12	1976.62	-1517.01	1.41
8921.00	90.34	334.80	6759.22	2541.73	2034.52	-1544.28	0.37
8985.00	90.71	334.76	6758.63	2605.34	2092.42	-1571.55	0.58
9048.00	90.84	334.47	6757.78	2667.97	2149.33	-1598.55	0.51
9112.00	90.91	333.80	6756.81	2731.65	2206.91	-1626.46	1.05
9176.00	91.08	333.20	6755.70	2795.39	2264.18	-1655.02	0.98
9240.00	91.48	334.68	6754.27	2859.08	2321.65	-1683.13	2.39
9304.00	90.91	335.11	6752.93	2922.67	2379.60	-1710.27	1.12
9367.00	91.18	335.37	6751.79	2985.22	2436.80	-1736.65	0.59
9431.00	91.01	334.52	6750.57	3048.80	2494.76	-1763.75	1.36
9495.00	90.81	333.52	6749.56	3112.49	2552.29	-1791.78	1.59

Scientific Drilling

Survey Report

Well Name:	LANTZ-MILLS UNIT 2 #3H
Survey:	Computed from MWDRun Lantz-Mills Unit 2 #3H Run 1's Gyro Surveys and MWDRun Lantz-Mills Unit 2 #3H Run...
Survey Date:	6/6/2010

MD ft	Inc deg	Azim deg	TVD ft	VS ft	Northing ft	Easting ft	DLS deg/100ft
9558.00	90.94	333.40	6748.59	3175.24	2608.64	-1819.93	0.28
9622.00	89.90	333.09	6748.13	3239.02	2665.79	-1848.74	1.70
9686.00	89.73	332.53	6748.33	3302.83	2722.71	-1877.98	0.92
9749.00	90.03	332.73	6748.46	3365.67	2778.66	-1906.95	0.58
9813.00	90.50	332.13	6748.16	3429.51	2835.39	-1936.57	1.20
9876.00	90.37	331.16	6747.68	3492.41	2890.83	-1966.49	1.55
9940.00	90.74	331.89	6747.06	3556.32	2947.08	-1997.00	1.27
10004.00	91.65	333.17	6745.73	3620.14	3003.85	-2026.52	2.46
10068.00	90.77	333.19	6744.38	3683.91	3060.96	-2055.39	1.36
10131.00	90.34	332.73	6743.77	3746.72	3117.06	-2084.03	1.00
10195.00	91.01	333.14	6743.02	3810.52	3174.05	-2113.15	1.23
10259.00	91.31	334.42	6741.72	3874.23	3231.45	-2141.42	2.06
10323.00	90.40	334.59	6740.76	3937.87	3289.21	-2168.97	1.44
10386.00	90.54	334.59	6740.25	4000.50	3346.12	-2196.00	0.21
10450.00	91.24	334.42	6739.25	4064.14	3403.88	-2223.54	1.13
10514.00	89.76	334.65	6738.69	4127.78	3461.66	-2251.06	2.34
10578.00	89.13	334.55	6739.31	4191.41	3519.47	-2278.51	1.01
10640.00	89.70	334.79	6739.95	4253.04	3575.50	-2305.03	1.00
10703.00	90.07	334.78	6740.08	4315.66	3632.50	-2331.87	0.59
10766.00	90.37	334.91	6739.84	4378.27	3689.52	-2358.65	0.52
10829.00	90.17	334.41	6739.54	4440.90	3746.46	-2385.62	0.85
10892.00	90.94	334.58	6738.93	4503.55	3803.32	-2412.74	1.26
10955.00	91.81	334.69	6737.41	4566.17	3860.23	-2439.72	1.39
11019.00	90.71	334.17	6736.01	4629.81	3917.94	-2467.34	1.91
11083.00	90.84	334.22	6735.14	4693.48	3975.56	-2495.19	0.22
11146.00	90.81	333.07	6734.24	4756.22	4032.00	-2523.16	1.83
11210.00	90.71	333.43	6733.40	4819.99	4089.15	-2551.96	0.58
11273.00	91.01	333.61	6732.45	4882.74	4145.53	-2580.05	0.56
11337.00	91.24	333.52	6731.20	4946.47	4202.82	-2608.54	0.39
11400.00	91.31	332.91	6729.79	5009.24	4259.05	-2636.92	0.97
11464.00	90.57	331.97	6728.74	5073.08	4315.78	-2666.53	1.86
11527.00	90.97	331.72	6727.89	5135.96	4371.32	-2696.25	0.75
11591.00	91.01	331.89	6726.79	5199.84	4427.72	-2726.49	0.27
11655.00	91.95	332.07	6725.13	5263.70	4484.20	-2756.54	1.49
TD 11711			6723				