WR-35 Rev (9-11)

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

DATE:	9-26-2012	•
API#:	47-009-00111	Ľ"

Farm name: Brooke County Park BRK 8H	Operator Well No.: 834341				
LOCATION: Elevation: 1206'	Quadrangle: Stuebenville East				
District: Buffalo	County: Brook	ie			
Latitude: 1740' Feet South of 40 Deg.	17 Min.	30 Sec			
Longitude 11350' Feet West of 80 Deg.	32 Min.	30 Sec	: .		
Company: Chesapeake Appalachia, L.L.C.					
Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.	
Oklahoma City, OK 73154-0496	20"	120'	120'	202 Cu. Ft.	
Agent: Eric Gillespie	13 3/8"	396'	396'	505 Cu. Ft.	
Inspector: Bill Hendershot	9 5/8"	1758'	1758'	808 Cu. Ft.	
Date Permit Issued: 11-18-2011	5 1/2"	10804'	10804'	2470 Cu. Ft.	
Date Well Work Commenced: 1-15-2012					
Date Well Work Completed: 6-28-2012					
Verbal Plugging:					
Date Permission granted on:					
Rotary Cable Rig					
Total Vertical Depth (ft): 6018'(cement plug @4980'-5979')					
Total Measured Depth (ft): 10807'					
Fresh Water Depth (ft.): 73', 250'					
Salt Water Depth (ft.): 1126'					
Is coal being mined in area (N/Y)? N		-			
Coal Depths (ft.): 330'					
Void(s) encountered (N/Y) Depth(s) N					
OPEN FLOW DATA (If more than two producing formatic	ons please includ zone depth (ft)_6		ata on separate s	heet)	
Gas: Initial open flow MCF/d Oil: Initial open fl			احالاحا	PENNER	
Final open flow Not Tested MCF/d Final open flow Time of open flow between initial and final tests		να		Section 1	
Static rock Pressurepsig (surface pressure) af		'S			
			SEP	7.2012	
Second producing formation Pay zoo Gas: Initial open flow MCF/d Oil: Initial open flow					
Final open flow MCF/d Final open flow Bbl/d			En	and the Opening of the	
Time of open flow between initial and final tests	Hours Ellylioninghal Flotoon			FINAL FIULDUNUI	
Static rock Pressurepsig (surface pressure) af	terHour	'S			

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.

Mallone Williams
Signature

7-27-2012 Date

12/14/2012

Were core samples taken? YesNo_^	V	ere cuttings caught dur	ing drilling? Yes	No_ X
Were Electrical, Mechanical or Geophysical log open hole logs run from 0' - 6,000' MD; LWD GR from 4,900' - 10,	s recorded on this wel 746' MD.	Il? If yes, please list GF	k, neutron, density, a	and resistivity
NOTE: IN THE AREA BELOW PUT FRACTURING OR STIMULATING, PHYS DETAILED GEOLOGICAL RECORD OF COAL ENCOUNTERED BY THE WELLBO	SICAL CHANGE, E F THE TOPS AND	TC. 2). THE WELL L BOTTOMS OF AL	OG WHICH IS A S L FORMATIONS,	YSTEMATIC
Perforated Intervals, Fracturing, or Stimulating:				
(See Attached)				
		 		
Plug Back Details Including Plug Type and Dep	th(s): Cement plu	ıg @4980'-5979'		
Formations Encountered: Surface:	Top Depth	/	Bottom	<u>Depth</u>
(See Attached)				
		 ·	<u> </u>	

PERFORATION RECORD ATTACHMENT

Well Number and Name: 834341 Brooke County Park BRK 8H

PERFO	RATION RE	CORD	STIMULATION RECOF		STIMULATION RECORD					
	Interval P	erforated				F	luid	Propp	ing Agent	Average
Date	From	To	Date	Interval	Treated	Type	Amount	Туре	Amount	Injection
6/2/2012	10,099	10,663	6/22/2012	10,099	10,663	Slk wtr	12,791	Sand	640,320	79.9
6/22/2012	9,456	10,020	6/22/2012	9,456	10,020	Slk wtr	12,920	Sand	640,860	79.9
6/22/2012	8,813	9,377	6/25/2012	8,813	9,377	Slk wtr	13,001	Sand	642,320	79.1
6/25/2012	8,169	8,734	6/25/2012	8,169	8,734	Slk wtr	12,735	Sand	636,400	80
6/25/2012	7,526	8,090	6/28/2012	7,526	8,090	Slk wtr	12,582	Sand	640,880	79.7
6/28/2012	6,883	7,447	6/28/2012	6,883	7,447	Slk wtr	12,833	Sand	635,720	80
6/28/2012	6,240	6,804	6/28/2012	6,240	6,804	Slk wtr	12,618	Sand	640,420	80
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			l							

VERTICAL PILOT HOLE

Formation/Lithology	
0	330
330	340
340	1000
1000	1300
1300	1340
1340	1624
1624	5727
5727	5740
5740	5801
5801	5904
5904	5965
5965	
	6000
	330 340 1000 1300 1340 1624 5727 5740 5801

LATERAL SIDETRACK WELLBORE

Formation/Lithology	Top Depth, MD (ft)	Top Depth, TVD (ft)	Bottom Depth, MD (ft)	Bottom Depth, TVD (ft)
LS/SHALE	0	0	330	330
PITTSBURG COAL	330	330	340	340
SHALE	340	340	1000	1000
SS/SHALE	1000	1000	1300	1300
SHALE/LS/SS	1300	1300	1340	1340
BIG INJUN (SS)	1340	1340	1624	1624
SHALE	1624	1624	5720	5711
GENESEO (SH)	5720	5711	5734	5724
TULLY (LS)	5734	5724	5804	5785
HAMILTON (SH)	5804	5785	5980	5896
MARCELLUS (SH)	5980	5896		
TD OF LATERAL			10807	6018