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:	1-31-2012
API#:	47-061-01614

ΓΙΟΝ: Elevation: ¹³²¹ '	Quadrangle: Morgantown South						
District: Clinton Latitude: 5106' Feet South of 39 Deg		County: Monongalia					
O	. 32 Min g. ⁵⁷ Min	n. ³⁰ Se n. ³⁰ Se					
Company: Chesapeake Appalachia, L.L.C.							
Address: P.O. Box 18496	Casing & Tubing	Used in drilling	Left in well	Cement f up Cu. Ft			
Oklahoma City, OK 73154-0496	13 3/8"	525'	525'	590 d			
Agent: Eric Gillespie	9 5/8"	2986'	2986'	1373			
Inspector: Tristan Jenkins	5 1/2"	15029'	15029'	3804			
Date Permit Issued: 12/10/2010							
Date Well Work Commenced: 4/2/2011							
Date Well Work Completed: 7/30/2011							
Verbal Plugging:							
Date Permission granted on:							
Rotary Cable Rig							
Total Vertical Depth (ft): 7,261'							
Total Measured Depth (ft): 15,037'							
Fresh Water Depth (ft.): 400'							
Salt Water Depth (ft.): None							
Is coal being mined in area (N/Y)? N							
Coal Depths (ft.): 161'							
Void(s) encountered (N/Y) Depth(s) N							
N FLOW DATA (If more than two producing formation Marcellus Pay eas: Initial open flow 1,844 MCF/d Oil: Initial open flow	zone depth (ft)	7,798'-14,894'	ata on separate s	heet)			
Final open flowMCF/d Final open flo	wBt	ol/d					
Time of open flow between initial and final tests							
tatic rock Pressure 4,720 psig (surface pressure) a	tterHou	rs					
econd producing formation Pay zo	one depth (ft)						
as: Initial open flowMCF/d Oil: Initial open f	flowB	bl/d					
Final open flow MCF/d Final open flow	Dl	1/4					

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.

Marley Willianas
Signature

3-29-3012 Date

Were core samples taken?	Vaa	No X	33.7		0- سناالند - سنسمل 4	X	NI
Were Electrical, Mechanical INDUCTION, SONIC SCANNER, FMI	l or Geophy	vsical logs reco	rded on this well	? If yes, please li	st GR, NEUTR	ON, DEN	1511 Y
<u> </u>							
NOTE: IN THE AREA FRACTURING OR STIM	IULATIN	G, PHYSICAI	CHANGE, ET	C. 2). THE WE	LL LOG WHIC	H IS A SY	STEMATIC
DETAILED GEOLOGIC COAL ENCOUNTERED						TIONS, II	NCLUDING
Perforated Intervals, Fractur	ing, or Stin	nulating:					
(See Attached)							
			P4		***************************************		
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Plug Back Details Including	Plug Type	and Depth(s):	Comont @ 1	14 020!			
		· ·	Cement @	14,939			
Formations Encountered: Surface:	-		Top Depth			Bottom De	epth
(See Attached)							
							
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FORMATION/LITHOLOGY	TOP DEPTH (ft)	BOTTOM DEPTH (ft)
SS and Sltst	0	161
Pittsburgh Coal	161	171
SS and Sltst	171	240
Shale and minor Coal	240	300
Shale and SS w/ minor Sltst	300	680
Shale	680	760
SS and minor Shale	760	980
LS and SS	980	1144
Big Injun	1144	1440
SS and minor Shale	1440	1500
Shale and minor SS	1500	2060
SS, Shale, and minor Sltst	2060	2850
Shale w/ minor Sltst	2850	7021
Geneseo	7021	7070
Tully	7070	7156
Hamilton	7156	7440
Marcellus	7440	15105

PERFORATION RECORD ATTACHMENT

Well Name and Number: Reliance Minerals 8H (832598)

PERFO	RATION R	ECORD	STIMULATION RECORD							
	Interval F	erforated			Fluid		Propping Agent		Average	
Date	From	То	Date	Interval	Treated	Туре	Amount	Туре	Amount	Injection
7/30/2011	14,572	14,894	7/30/2011	14,572	14,894	Slk Wtr	7,841	Sand	409,680	83.0
7/31/2011	14,100	14,479	7/31/2011	14,100	14,479	Slk Wtr	13,505	Sand	574,340	80.0
7/31/2011	13,622	14,004	7/31/2011	13,622	14,004	Slk Wtr	12,645	Sand	576,240	86.0
8/1/2011	13,147	13,529	8/1/2011	13,147	13,529	Slk Wtr	10,267	Sand	576,280	86.0
8/1/2011	12,667	13,054	8/1/2011	12,667	13,054	Slk Wtr	9,912	Sand	570,640	84.0
8/2/2011	12,073	12,455	8/2/2011	12,073	12,455	Slk Wtr	9,456	Sand	578,980	88.0
8/4/2011	11,598	11,980	8/4/2011	11,598	11,980	Slk Wtr	9,670	Sand	577,100	86.0
8/4/2011	11,123	11,505	8/4/2011	11,123	11,505	Slk Wtr	10,897	Sand	568,180	84.0
8/5/2011	10,655	11,030	8/5/2011	10,655	11,030	Slk Wtr	9,352	Sand	578,760	83.0
8/5/2011	10,173	10,555	8/5/2011	10,173	10,555	Slk Wtr	9,827	Sand	578,660	86.0
8/5/2011	9,698	10,080	8/5/2011	9,698	10,080	Slk Wtr	9,717	Sand	571,400	84.0
8/6/2011	9,223	9,605	8/6/2011	9,223	9,605	Slk Wtr	10,021	Sand	576,580	86.0
8/6/2011	8,748	9,130	8/6/2011	8,748	9,130	Slk Wtr	10,191	Sand	571,140	85.0
8/7/2011	8,273	8,655	8/7/2011	8,273	8,655	Slk Wtr	10,904	Sand	571,580	82.0
8/7/2011	7,798	8,180	8/7/2011	7,798	8,180	Slk Wtr	9,656	Sand	573,340	86.0
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