WR-35 Rev (9-11)

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

DATE:	1-31-2012
API#:	47-061-01621

Well Operator's Report of Well Work

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gang.	Separate .	X	5172	6	- %	ě	Co ches	8 18

n name: Reliance Minerals Inc Mon	_ Operator We	ll No.: 3H (8330	- '	ECEIV		
CATION: Elevation: 1321'	Quadrangle:	Morgantown Sou	ith	MAR 3 0 2012		
District: Clinton	_ County: Mon	ongalia		EOLOGICAL S IORGANTOWN, 1		
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Company. Chesapeake Appalachia, L.L.C.						
Company: Chesapeake Apparachia, 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	13 3/8"	529'	529'	559 cf		
Agent: Eric Gillespie	9 5/8"	3082'	3082'	1325 cf		
Inspector: Sam Ward	5 1/2"	15615	15615'	3783 cf		
Date Permit Issued: 2/14/2011						
Date Well Work Commenced: 5/2/2011						
Date Well Work Completed: 7/29/2011						
Verbal Plugging:						
Date Permission granted on:						
Rotary Cable Rig						
Total Vertical Depth (ft): 7567'						
Total Measured Depth (ft): 15620'						
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						
PEN FLOW DATA (If more than two producing formation Producing formation Marcellus Pay Gas: Initial open flow MCF/d Oil: Initial open flow Final open flow MCF/d Final open flow Time of open flow between initial and final tests Static rock Pressure 4,919 psig (surface pressure) a	zone depth (ft) Blow Bb Hours	7,666'-15,493' bl/d sl/d	ata on separate sh	neet)		
Second producing formation Pay zo Gas: Initial open flow MCF/d Oil: Initial open flow	low Bl	ol/d				
Final open flow MCF/d Final open flow	wBb	1/d				
Time of open flow between initial and final tests	Hours					
Static rock Pressurepsig (surface pressure) as	fter Hou	^ C				

ve personally examined and am familiar with the information submitted on this document and 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.

Mallac (L'El Cans Signature

Were core samples taken? YesNo_X	We	re cuttings caught during	drilling? Yes X	No
Were Electrical, Mechanical or Geophysical logs re	ecorded on this well?	If yes, please list none		
NOTE: IN THE AREA BELOW PUT TH FRACTURING OR STIMULATING, PHYSIC DETAILED GEOLOGICAL RECORD OF T COAL ENCOUNTERED BY THE WELLBOR	'AL CHANGE, ETO THE TOPS AND 1	C. 2). THE WELL LOG BOTTOMS OF ALL	WHICH IS A SY FORMATIONS.	STEMATIC
Perforated Intervals, Fracturing, or Stimulating:				
(See Attached)				
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Plug Back Details Including Plug Type and Depth(s): Cement @ 1	5,523'		
			//8	
Formations Encountered: Surface:	Top Depth		Bottom D	<u>epth</u>
(See attached)				
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FORMATION/LITHOLOGY	TOP DEPTH (ft)	BOTTOM DEPTH (ft)
SS and Sltst	0	161
Pittsburgh Coal	161	171
Shale and Sltst w/ minor SS	171	560
Shale and SS	560	980
LS and Shale	980	1154
Big Injun	1154	1430
Shale w/ SS and minor Sltst	1430	2720
Sltst w/ minor Shale	2720	2970
Shale w/ minor Sltst	2970	4620
Shale	4620	7038
Geneseo	7038	7067
Tully	7067	7127
Hamilton	7127	7443
Marcellus	7443	15620

PERFORATION RECORD ATTACHMENT

Well Name and Number: Reliance Minerals Inc Mon 3H (833041)

PERFO	RATION R	ECORD			5	TIMULATION	ON RECORD)		
	Interval F	Perforated				F	luid	Propping Agent		Average
Date	From	То	Date	Interval	Treated	Туре	Amount	Туре	Amount	Injection
7/29/2011	15,171	15,493	7/29/2011	15,171	15,493	Slk Wtr	9,492	Sand	340,403	79.0
8/9/2011	14,316	14,698	8/9/2011	14,316	14,698	Slk Wtr	10,737	Sand	579,300	77.0
8/10/2011	13,841	14,223	8/10/2011	13,841	14,223	Slk Wtr	8,049	Sand	568,280	70.0
8/10/2011	13,366	13,748	8/10/2011	13,366	13,748	Slk Wtr	9,789	Sand	453,506	79.0
8/11/2011	12,891	13,273	8/11/2011	12,891	13,273	Slk Wtr	10,747	Sand	570,274	69.0
8/11/2011	12,416	12,798	8/11/2011	12,416	12,798	Slk Wtr	13,885	Sand	573,360	72.0
8/12/2011	11,947	12,323	8/12/2011	11,947	12,323	Slk Wtr	12,781	Sand	570,020	74.0
8/12/2011	11,466	11,848	8/12/2011	11,466	11,848	Slk Wtr	13,573	Sand	572,220	74.0
8/13/2011	10,991	11,367	8/13/2011	10,991	11,367	Slk Wtr	11,593	Sand	570,080	72.0
8/13/2011	10,516	10,898	8/13/2011	10,516	10,898	Slk Wtr	9,504	Sand	570,700	72.0
8/13/2011	10,048	10,423	8/13/2011	10,048	10,423	Slk Wtr	9,846	Sand	576,860	77.0
8/14/2011	9,562	9,948	8/14/2011	9,562	9,948	Slk Wtr	16,315	Sand	572,520	68.0
8/15/2011	9,091	9,473	8/15/2011	9,091	9,473	Slk Wtr	10,250	Sand	570,620	73.0
8/15/2011	8,616	9,000	8/15/2011	8,616	9,000	Slk Wtr	10,082	Sand	570,180	75.0
8/16/2011	8,141	8,523	8/16/2011	8,141	8,523	Slk Wtr	9,436	Sand	571,780	74.0
8/16/2011	7,666	8,048	8/16/2011	7,666	8,048	Slk Wtr	9,194	Sand	578,300	77.0
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