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

API <u>47</u>	County	Distr	rict	
Quad	Pad Name	Field	d/Pool Name	
Farm name		Wei	ll Number	
Operator (as registered with the	OOG)			
Address	City		State	Zip
As Drilled location NAD 83/ Top hole Landing Point of Curv Bottom Hole	e Northinge Northing	Easting _		
Elevation (ft)	GL Type of Well	□New □ Existing	Type of Report	□Interim □Final
Permit Type	□ Horizontal □ Horizon	ntal 6A 🛛 Vertical	Depth Type	□ Deep □ Shallow
Type of Operation □ Convert	□ Deepen □ Drill □	□ Plug Back □ Redrilling	□ Rework	□ Stimulate
Well Type □ Brine Disposal	□ CBM □ Gas □ Oil □ Sec	condary Recovery	on Mining 🗆 Sto	orage 🗆 Other
Type of Completion □ Single Drilled with □ Cable □ Ro	tary			
Drilling Media Surface hole Production hole □ Air □ M Mud Type(s) and Additive(s)			□ Air □ Mud	□ Fresh Water □ Brine
Date permit issued	Date drilling com	menced	Date drilling of	ceased
Date completion activities bega	n	_ Date completion activitie	s ceased	
Verbal plugging (Y/N)	Date permission grante	ed (Granted by	
Please note: Operator is require	ed to submit a plugging applic	eation within 5 days of verba	l permission to p	lug
Freshwater depth(s) ft		Open mine(s) (Y/N) depth	s	
Salt water depth(s) ft		Void(s) encountered (Y/N	depths	
Coal depth(s) ft		Cavern(s) encountered (Y/	N) depths	
Is coal being mined in area (Y/	N)			Reviewed by:

□ Yes □ No

DETAILS _____

TYPE OF TRACER(S) USED _____

WAS WELL COMPLETED OPEN HOLE?

WERE TRACERS USED □ Yes □ No

API 4	47		Farm name			Well number			
				PERFORAT	ION RECORD				
Stage No.	Perforation		Perforated from MD ft.	Perforated to MD ft.	Number of Perforations		Formation(s	s)	
	:	*PLE	ASE SE	E ATI	ACHE) EXHI	BIT 1		
Please	insert addition	onal pages as	s applicable.						
		1 6							
C	1-4	1 C			RMATION PER S	TAGE			
Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)			Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)	
		*PLE	EASE SI	EE AT	TACHE	D EXH	IBIT 2	2	

Please insert additional pages as applicable.

WR-35 Rev. 8/23/13											Page of _
API 47			Farm	name_					Well nu	mber	
PRODUCING	FORMAT	TON(S)		DEPT	<u>HS</u>						
			-			TVD			MD		
			-								
Please insert ad	lditional p	ages as an	- olicable								
GAS TEST	•			□ Оре	n Flow		OIL	TEST 🗆	Flow □ I	Pump	
SHUT-IN PRE	SSURE	Surface _		psi	Botto	om Hole_		psi	DURATI	ON OF TEST _	hrs
OPEN FLOW		mcfpd								EASURED BY ted \square Orifice	□ Pilot
LITHOLOGY/ FORMATION		N FT DE	PTH IN FT	DEPT	H IN FT		N FT			AND RECORD QU	ANTITYAND IL, GAS, H ₂ S, ETC)
		LEA	SE) 		\	1	ПЕС		HIBIT 3	
Please insert ad	lditional n	ages as ant	olicable								
Drilling Contra	-	•									
									State _	Zip	
Logging Comp Address	eany				City				State _	Zip	
Cementing Cor Address							_		State _	Zip	
									State _	Zip	
Please insert ad	lditional p	ages as app	olicable.								
Completed by								_			
Signature					Title _				D	ate	
Submittal of H	ydraulic F	racturing C	Chemical	Disclos	ure Info	rmation	Atta	ach copy	of FRACFC	CUS Registry	

Page ___ of ___

API <u>47-085-10348</u> Farm Name <u>David L. Weekley Revocable Trust</u> Well Number <u>Ray Unit 3H</u> EXHIBIT 1								
Stage No.	Perforation Date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formations			
1	8/11/2019	14186.2	14240.8	60	Marcellus			
2	8/12/2019	13988.65	14155.275	60	Marcellus			
3	8/12/2019	13791.1	13957.725	60	Marcellus			
4	8/12/2019	13593.55	13760.175	60	Marcellus			
5	8/13/2019	13396	13562.625	60	Marcellus			
6	8/13/2019	13198.45	13365.075	60	Marcellus			
7	8/13/2019	13000.9	13167.525	60	Marcellus			
8	8/13/2019	12803.35	12969.975	60	Marcellus			
9	8/14/2019	12605.8	12772.425	60	Marcellus			
10	8/14/2019	12408.25	12574.875	60	Marcellus			
11	8/14/2019	12210.7	12377.325	60	Marcellus			
12	8/15/2019	12013.15	12179.775	60	Marcellus			
13	8/15/2019	11815.6	11982.225	60	Marcellus			
14	8/15/2019	11618.05	11784.675	60	Marcellus			
15	8/15/2019	11420.5	11587.125	60	Marcellus			
16	8/16/2019	11222.95	11389.575	60	Marcellus			
17	8/16/2019	11025.4	11192.025	60	Marcellus			
18	8/16/2019	10827.85	10994.475	60	Marcellus			
19	8/16/2019	10630.3	10796.925	60	Marcellus			
20	8/17/2019	10432.75	10599.375	60	Marcellus			
21	8/17/2019	10235.2	10401.825	60	Marcellus			
22	8/17/2019	10037.65	10204.275	60	Marcellus			
23	8/17/2019	9840.1	10006.725	60	Marcellus			
24	8/17/2019	9642.55	9809.175	60	Marcellus			
25	8/18/2019	9445	9611.625	60	Marcellus			
26	8/19/2019	9247.45	9414.075	60	Marcellus			
27	8/19/2019	9049.9	9216.525	60	Marcellus			
28	8/19/2019	8852.35	9018.975	60	Marcellus			
29	8/19/2019	8654.8	8821.425	60	Marcellus			
30	8/19/2019	8457.25	8623.875	60	Marcellus			
31	8/20/2019	8259.7	8426.325	60	Marcellus			
32	8/20/2019	8062.15	8228.775	60	Marcellus			
33	8/20/2019	7864.6	8031.225	60	Marcellus			
34	8/20/2019	7667.05	7833.675	60	Marcellus			
35	8/21/2019	7469.5	7636.125	60	Marcellus			
36	8/21/2019	7271.95	7438.575	60	Marcellus			
37	8/21/2019	7074.4	7241.025	60	Marcellus			
38	8/21/2019	6876.85	7043.475	60	Marcellus			

API 47-085-10348 Farm Name David L. Weekley Revocable Trust Well Number Ray Unit 3H										
	EXHIBIT 2									
Stage No.	Stimulations Date	Avg Pump Rate	Avg Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/ other (units)		
1	8/11/2019	70.1	7155	6524	3160	201840	5616	N/A		
2	8/12/2019	77.92	7636	6326	2946	404660	8691	N/A		
3	8/12/2019	78.08	7352	6429	3094	403040	8678	N/A		
4	8/12/2019	77.24	7261	5640	3231	404600	8801	N/A		
5	8/13/2019	75.85	7362	5618	3529	406840	10340	N/A		
6	8/13/2019	72.51	7674	5675	3263	404320	8819	N/A		
7	8/13/2019	72.03	7839	5285	3170	403440	8754	N/A		
8	8/13/2019	77.35	8188	5441	3326	406120	8661	N/A		
9	8/14/2019	78	8246	5582	3280	401400	8821	N/A		
10	8/14/2019	75.6	8075	6437	3529	403640	8795	N/A		
11	8/14/2019	77.2	8134	5660	3438	411460	9126	N/A		
12	8/15/2019	78.57	8059	5218	3552	403080	8689	N/A		
13	8/15/2019	78	8230	5641	3500	406380	8572	N/A		
14	8/15/2019	79.8	8224	5693	3585	401660	8650	N/A		
15	8/15/2019	81.38	8203	4476	3905	401160	8610	N/A		
16	8/16/2019	82.55	8422	5628	3481	406820	8587	N/A		
17	8/16/2019	82.7	8183	5680	3600	405380	8597	N/A		
18	8/16/2019	84	8350	5826	3696	413820	8792	N/A		
19	8/16/2019	85.03	8190	5133	3609	411940	8575	N/A		
20	8/17/2019	82.5	8018	5571	3427	409520	8672	N/A		
21	8/17/2019	82.5	8304	4955	3746	407380	8518	N/A		
22	8/17/2019	83.1	8332	5996	3554	398620	8543	N/A		
23	8/17/2019	85.15	8041	5509	3609	404980	8479	N/A		
24	8/17/2019	84.43	8152	5611	3576	412920	8582	N/A		
25	8/18/2019	82.09	7609	5913	3848	414520	8710	N/A		
26	8/19/2019	84.65	8077	5699	3576	404640	8334	N/A		
27	8/19/2019	87.32	7918	5768	3431	401240	8320	N/A		
28	8/19/2019	85	7838	5716	3660	410080	8581	N/A		
29	8/19/2019	85.7	8034	5734	3642	418020	8701	N/A		
30	8/19/2019	86.06	7986	5973	3699	411840	8572	N/A		
31	8/20/2019	85.63	8007	6034	3739	417280	8647	N/A		
32	8/20/2019	85.9	7865	5833	3710	402420	8470	N/A		
33	8/20/2019	88.2	8065	5368	3863	400440	8545	N/A		
34	8/20/2019	81.01	7738	6102	3986	398060	8427	N/A		
35	8/21/2019	83.23	7751	5380	3892	400420	8411	N/A		
36	8/21/2019	85.75	7898	5465	3851	400320	8437	N/A		
37	8/21/2019	87	7856	5435	3796	400040	8384	N/A		
38	8/21/2019	86.29	7842	6006	3879	400120	8276	N/A		
	AVG	81.5	7,950	5,684	3,563	15,214,460	325,783	TOTAL		

API 47-085-10348 Farm Name David L. Weekley Revocable Trust Well Number Ray Unit 3H									
EXHIBIT 3									
LITHOLOGY/ FORMATION	TOP DEPTH (TVD) From Surface	BOTTOM DEPTH (TVD) From Surface	TOP DEPTH (MD) From Surface	BOTTOM DEPTH (MD) From Surface					
Silty sandstone	0	225	0	225					
Silty sandstone w/ coal	225	265	225	265					
Sandy Siltstone	265	325	265	325					
Silty sandstone	325	405	325	405					
Sandy sahle	405	425	405	425					
Sandy, limy siltstone	425	485	425	485					
, ,	485	585	485	585					
Sandstone	585	685	585	685					
Siltstone	685		685						
Sandstone w lime stingers		1,275		1,275					
Silty sandstone	1,275	1,685	1,275	1,685					
Limy shale	1,685	1,905	1,685	1,905					
Sandstone	1,905	2,045	1,905	2,045					
Siltstone	2,045	2,066	2,045	2,083					
Big Lime	2,081	2,836	2,059	2,839					
Fifty Foot Sandstone	2,836	3,020	2,815	3,024					
Gordon	3,020	3,116	3,000	3,120					
Fifth Sandstone	3,116	3,531	3,096	3,543					
Bayard	3,531	4,122	3,519	4,150					
Speechley	4,122	4,360	4,126	4,395					
Balltown	4,360	4,968	4,371	5,022					
Bradford	4,968	5,348	4,998	5,413					
Benson	5,348	5,564	5,389	5,635					
Alexander	5,564	6,401	5,611	6,553					
Sycamore	6,275	6,377	6,393	6,529					
Middlesex	6,377	6,484	6,529	6,718					
Burkett	6,484	6,513	6,718	6,779					
Tully	6,513	6,532	6,779	6,831					
Marcellus	6,532	NA	6,831	NA					

^{*}Please note Antero determines formation tops based on mud logs that are only run on one well on a multi-well pad. The measured depth (MD) data on subsequent wells may be slightly different due to the well's unique departure.