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

API	_{47 -} 051	_ 01726	County Marshall		District Clay		
Quad	Powhatan				Field/Pool Nan		
Farm	_{name} Berger				Well Number		
Opera	tor (as registered	with the OOG)	Chevron Appalachi	ia, LLC			
Addre	ess 800 Mounta	ain View Drive	City Smil		State PA	Zi	p_15478
As Dr	Landing Point	Top hole Not of Curve N	Attach an as-drilled Northing Torthing Torthing		ew, and deviation surv Easting Easting		
Eleva	tion (ft) 1292	GL	Type of Well	New 🗆 Existi	ng Type of R	eport #Interir	n □Final
Permi	t Type 🛛 De	viated 🗆 Ho	rizontal 🖪 Horizont	tal 6A 🗆 Ver	tical Depth Ty	pe 📱 Dee	p 🗆 Shallow
Туре	of Operation 🗆	Convert 🗆 D	eepen 🖺 Drill 🗆	Plug Back	Redrilling Rev	vork 🗆 Stim	ulate
Well '	Type □ Brine D	isposal □ CBM	B Gas □ Oil □ Sec	ondary Recovery	y 🗆 Solution Mining	□ Storage □	Other
	of Completion of Cable		tiple Fluids Produc	ced 🗆 Brine	nGas nGL n	Oil 🗆 Other	
Produ	•	ir 🗆 Mud 🗆	□ Mud □Fresh Wat Fresh Water □ Brine		ediate hole	Mud □ Fres	sh Water 🗆 Brine
Date	completion activ	ities began	Date drilling comn	Date completi	on activities ceased _		
Please	e note: Operator	is required to su	bmit a plugging applica	ation within 5 da	ys of verbal permission	on to plug	
Fresh	water depth(s) f	t	169	Open mine(s) (Y/N) depths	N	
	•				ntered (Y/N) depths _		N
	ucpuits) it		37', 1411'-1413', 1415'-1418'		untered (Y/N) depths		N
		area (Y/N)	no but not sealed	d			
	-				RECEIVED Office of Oil and Gas		eviewed by:

OCT 02 2019

WR-35 Rev. 8/23/13

API 47-051	2051 01726 Farm name Berger Well number Berger 7H								
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Bas	sket oth(s)		rculate (Y/ N)
Conductor									
Surface									
Coal									
Intermediate 1							1,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	İ	
Intermediate 2							· · · · · · · · · · · · · · · · · · ·		
Intermediate 3									
Production									
Tubing									
Packer type and de	epth set								
Comment Details									
CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurr wt (pp		Yield l³/sks)	Volume (ft 3)	Cemer Top (M		WOC (hrs)
Conductor Surface									
Coal			<u> </u>					·	
Intermediate 1								<u> </u>	
Intermediate 2				··-					
Intermediate 3									
Production				<u></u>	· ·				
Tubing					·				
	ion penetrated	Berea		Plug back					
Kick off depth	(ft)								
Check all wirel	ine logs run	□ caliper □ neutron	□ density □ resistivity		ed/directio a ray	nal □ indu □ temp		□sonic	
Well cored	Yes 🗆 No	□ Convention	al 🗆 Sidev	vall	We	re cuttings co	llected 🗆	Yes 🗆 No)
DESCRIBE TH	Æ CENTRALI	ZER PLACEMEN	NT USED FO	R EACH C	ASING ST	RING			

					••••				
WAS WELL C	OMPLETED A	S SHOT HOLE	□ Yes □	No DE	ETAILS _			170	
WAS WELL C	OMPLETED O	PEN HOLE?							
WERE TRACE	RS USED 🛚	Yes A No	TYPE OF TR	RACER(S) I	JSED				

WR-	35
Rev.	8/23/13

	*** S		<u></u>
n			6
Page		ot	

API 47- Well number Well number	API 47- 051 - 01	rarm name	Berger 7H Well number
---------------------------------	------------------	-----------	-----------------------

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	·····				
				•	
L		1	J	<u> </u>	

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

Stage No.	Stimulations Date	Ave Pump Rate (BPM)	Ave Treatment Pressure (PSI)	Max Breakdown Pressure (PSI)	ISIP (PSI)	Amount of Proppant (lbs)	Amount of Water (bbls)	Amount of Nitrogen/other (units)

Please insert additional pages as applicable.

RECEIVED
Office of Oil and Gas

OCT 02 2019

API 47- 051	01726	Farm	name_Berger			Well numb	er Berger 7H	
PRODUCING	FORMATION	<u>(S)</u>	DEPTHS					
				TVD		MD		
								
Please insert ac	dditional pages	as applicable.	-		····			
GAS TEST	□ Build up	□ Drawdown	□ Open Flow	Oi	L TEST 😐	Flow 🗆 Pum	р	
SHUT-IN PRE	SSURE Sur	face	_psi Botte	om Hole	psi	DURATION	OF TEST	hrs
OPEN FLOW	Gas met	Oil fpd	NGL bpd		ater bpd	GAS MEAS	URED BY	□ Pilot
LITHOLOGY/	ТОР	воттом	ТОР	воттом				
FORMATION	DEPTH IN FT	DEPTH IN FT	DEPTH IN FT	DEPTH IN FT	DESCRIBE	ROCK TYPE AND	DECORD OU	ANIMIMIANO
	NAME TVD	TVD	MD	MD				L, GAS, H ₂ S, ETC)
	0		0]	CID (FREDRIWA	EK, BKIVI, O	L, UAS, H ₂ S, ETC)
Dunkard Group Sand	160	169	160	169		Fresh Water	169' MD 1" str	eam
Pittsburgh Coal	830	837	830	837			Coal	
Salt Sand	1538	1568	1540	1570		Gas Show (2 1550' 6101 ur	vits
Big Lime	1848	1928	1850	1930			crm-wh, hd, crp	
Burgoon (Big Injun)	1927	2117	1930	2120	s	S:offwh, wh, cons		
Weir Sand	2277	2297	2280	2300				it, bio, arg, sl calc
Berea Sand	2507	2530	2510	2533				c, ir flor, exi fast out, foll odr, ise
								
Please insert add	ditional nages as	annlicable						
		• •						
Drilling Contrac								
Address		·	City			State	Zip	
Logging Compa								
Address			City	·		State	7in	
						Julie	z.ip	
Cementing Com	рапу							
Address	<u> </u>	-	City			State	Zip	
Stimulating Con								
Address			City			State	7:	
Please insert add	litional pages as	applicable.					Z.1p	
Completed by	Jackie M. Schola	r / Nicholas Sta	ffieri	··· <u>·</u>	Telephone 7	24.564.3721 / 7	24.564.3715	
Signature <u> </u>	Le Altet	۷	Title Reg	gulatory Complian	nce Team Lead	Date 6/		
	· · · · · · · · · · · · · · · · · · ·					Date of		

	5		E-
Page	•	_ of	

API: 47-051-01725 Well Name: Berger Well Number: Berger 3H

DRILLING CONTRACTORS							
Driller	Driller	Driller	Driller				
Name Rocky Mountain Drilling	Name Highlands Drilling LLC	Name Nabors Drilling USA	Name				
Address 185 North Vernal Avenue, Suite 2	Address 900 Virginia Street East	Address 10100 NW 10th Street	Address				
City - State - Zip Vernal, UT 84078	City - State - Zip Charleston, WV 25301	City – State – Zip Oklahoma City, OK 73127	City State Zip				
Phone 435-789-3320	Phone 304-380-0114	Phone 405-324-8081	Phone				

RECEIVED
Office of Oil and Gas

OCT **02** 2019