WR-35 Rev. 8/23/13

Page	of
rage	01

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

API <u>47</u> 039 02816 County Kanawh	na District E	Elk
Dive Con als		l Name Coco A Storage
Farm name Perry, James H.		nber 12079
Operator (as registered with the OOG) Columbia Gas Tra		
Address 1700 MacCorkle Ave SE City Cha		WV Zip 25325-1273
As Drilled location NAD 83/UTM Attach an as-drille  Top hole Northing  Landing Point of Curve Northing  Bottom Hole Northing	Easting	n survey
Elevation (ft) 1115 GL Type of Well	New a Existing Type	of Report coInterim &Final
Permit Type   Deviated   Horizontal   Horizon	al 6A 🕾 Vertical Dep	th Type a Deep   Shallow
Type of Operation □ Convert □ Deepen □ Drill □	Plug Back 🗆 Redrilling 🖻	Rework     Stimulate
Well Type □ Brine Disposal □ CBM □ Gas □ Oil □ Sec	ondary Recovery	ining a Storage D Other
Type of Completion	æd □ Brine <del>a</del> Gas    □ NGL	Oil Other
Drilling Media Surface hole □ Air □ Mud □Fresh Wa Production hole □ Air □ Mud □ Fresh Water □ Brine		ir □ Mud □ Fresh Water □ Brine
Mud Type(s) and Additive(s) N/A - existing well and not deepened		
Date permit issued6/11/13 Date drilling comm	nenced Do	ate drilling ceased
Date completion activities began		
Verbal plugging (Y/N) Date permission granted		
Please note: Operator is required to submit a plugging applic	ation within 5 days of verbal perr	mission to plug
Preshwater depth(s) ft	Open mine(s) (Y/N) depths	
Salt water depth(s) ft	Void(s) encountered (Y/N) der	oths
Coal depth(s) ft	Cavern(s) proportioned (X/N) d	epths
Is coal being mined in area (Y/N)	Office of Oil & G	AS Reviewed by:
	JAN 0 2 2014	

WR-35 Rev. 8/23/13								Page of
API 47-039	_ 02816	Farm name	Perry, Jan	nes H.		Well n	umber_120	79
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft		asket pth(s)	Did cement circulate (Y/N)  * Provide details below*
Conductor								
Surface								
Coal							_	
Intermediate 1		<b>j</b>						
Intermediate 2					:			
Intermediate 3								
Production								
Tubing						<del> </del> _		
Packer type and de	epth set	<del></del>		·	·			
CENTRAL		was affered and no additiona				-		
CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)		/ield : ³/sks)	Volume (ft <sup>1</sup> )	Cemer Top (M	
Conductor								
Surface								
Coal								
Intermediate 1								
Intermediate 2								
Intermediate 3								
Production								
Tubing								-
Drillers TD (ft	)		]	Loggers T	D (ft)			
							<del> </del>	
Kick off depth	(ft)				<u> </u>			
Check all wire	line logs run	-	density resistivity		ed/direction a ray		uction aperature	□sonic
Well cored	Yes 🗆 No	□ Conventional	□ Sidewa	111	Wes	re cuttings c	ollected 🛭	Yes D No
DESCRIBE TI	HE CENTRALI	ZER PLACEMENT	USED FOR	EACH CA	ASING ST	RING		
	······································							
			<del> </del>					
WAS WELL C	COMPLETED A	AS SHOT HOLE	□ Yes ■ N	lo DI	TAILS _			
WAS WELL C	COMPLETED (	OPEN HOLE?	Yes 🗆 No	DET	AILS			
WERE TRACI	ERS USED 🗖	Yes ■ No T	YPE OF TRA	ACER(S)	USED _	·		

WR-35 Rev. 8/23/13			Page of
API 47- 039 - 02816	Farm name Perry, James H.	Well number	

## PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
$\vdash$					
		<del></del>			
			<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)
<u> </u>								
L	<u> </u>							

Please insert additional pages as applicable.

WK-33 Rev. 8/23/13									Page of
API 47- 039	_ 02816	Farm	name_Perry, Ja	mes H.			Well number_121	16	
PRODUCING Oriskany (stora		<u>N(S)</u> .	<u>DEPTHS</u>	_ TVD 	544	7	MD 		
Please insert ad	lditional page	s as applicable.		<del></del>					
GAS TEST	🗆 Build up	□ Drawdown	□ Open Flow		OIL	TEST o	Flow 🗆 Pump		
SHUT-IN PRE	SSURE S	urface	_psi Botto	m Hole_		psi	DURATION OF T	est _	hrs
OPEN FLOW		Oil acfpd	NGL bpd	_ bpd	Wa	ter bpd	GAS MEASURED	BY Orifice	□ Pilot
LITHOLOGY/ FORMATION	TOP DEPTH IN F NAME TVD		TOP DEPTH IN FT MD	BOTTO DEPTH IN MD	FT		ROCK TYPE AND RECO JUID (FRESHWATER, B		
	0		0				John (Pression Press, D	MAD, OI	L, GAO, M20, D1C)
*				_					
		<del></del>		-	十				
		-			-	<del></del>			
					_				
Please insert ad	ditional page	s as applicable.		· .					
Drilling Contra	ctor								
							State Z	ip	
Logging Comp	anv	······							
			City				StateZ	ip	
Cementing Con	กลอง								
Address	-r ,		City		•		State Z	ip	
Stimulating Co.	mpany								-
Address			City				State Z	ip	
Please insert ad	ditional page	s as applicable.							
Completed by	***************************************	00			_	Telephone	304-483-0073		
Signature	ame	E Cum	Title S	enior Engine	eer		Date 12/11/	13	
Submittal of H	draulic Fract	uring Chemical I	Disclosure Info	rmation	Att	ach copy o	of FRACFOCUS Reg	istry	

## Coco A 12079

Existing storage well drilled in 1978.

Note that 6/11/13 permit proposed included fracture stimulation as part of scope of work, but frac never performed.

Work Performed:

Tubing pulled, new wellhead installed, and well cleaned with coil tubing.

Jim Amos Jam & am 12/11/13

01/10/2014