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

API	47 - 035	_ 00521-00-00	County Jacksor	1	Distr	ict Ravenswo	od		
Quad	Quad Ripley Pad Name Field/Pool Name Ripley								
Farm r	<sub>lame</sub> Bernard	& Hazel Offutt				Number Ripl			
Operat	or (as registered	l with the OOG)	Columbia Gas Tra	ınsmission, l					
Addres	<sub>ss</sub> 1700 MacC	Corkle Ave. SE	City Cha	arleston		State WV	Zip	25314	
As Dri	lled location  Landing Poin	-	Attach an as-drille orthing 4303059.29 orthing N/A	ed plat, profile	view, and dev Easting	139429.70			
	-		orthing Not measured (v	ertical wellbore)		lot measured (vert	ical wellbore	)	
Elevati	on (ft) 737.5	GL	Type of Well	□New <b>≜</b> Exi	isting	Type of Report	□Interim	Final	
Permit	Type □ De	viated   Hor	izontal 🗆 Horizon	tal 6A 💄 V	Vertical	Depth Type	Deep	□ Shallow	
Туре о	f Operation 🗆	Convert 🗆 Dee	epen □ Drill □	Plug Back	□ Redrilling	□ Rework	Stimula	ate	
Well T	ype 🗆 Brine D	isposal □ CBM	■ Gas □ Oil □ Sec	ondary Recov	ery   Solution	n Mining 💄 Sto	orage 🗆 C	Other	
	f Completion		ple Fluids Produ	ced 🗆 Brine	■Gas □	NGL □ Oil	□ Other _		
Drillin	o Media Surfa	ce hole Air	□ Mud □Fresh Wa	ter Inter	mediate hole	□ Air □ Mud	R	ECEIVED Water of Egine	
	tion hole 🗆 Ai		Fresh Water   Brine		mediate note	- All - Widg			
	Type(s) and Add			,			NOV	0 2 2020	
	JF -(-)						Environm.	Protection	
								البات - 10	
Date p	ermit issued	10/9/2019	Date drilling comn	nenced	N/A	Date drilling of	ceased	N/A	
Date co	ompletion activi	ties began	11/12/2019	Date compl	etion activities	ceased1	1/14/201	9	
Verbal	plugging (Y/N)	N/A Da	ite permission granted			ranted by			
Please	note: Operator	is required to sub	mit a plugging applica	ation within 5	days of verbal	permission to p	lug		
	rater depth(s) ft		by the driller in 1946.		) (Y/N) depths		N		
Salt wa	salt water depth(s) ft Reported at 1337' by the driller in 1946. Void(s) encountered (Y/N) depths None reported by the driller in 1946.								
			the driller in 1946.	Cavern(s) en	countered (Y/I	N) depths None	reported by	the driller in 1946.	
Is coal	being mined in	area (Y/N)	N						

WR-35

API   47- 035   - 00521-00-00   Farm name	
STRINGS   Size   Size   Depth   Used   wt/ft   Depth(s)   * Provide details I Conductor   16"	
Surface 13-3/8" Pulled 48 No ceme  Coal 10-3/4" Pulled 40 No ceme  Intermediate I 8-1/4" Pulled 24 No ceme  Intermediate 2 Intermediate 3  Production 7" 0-61; 4772-4835 22 No ceme  Tubing 4-1/2" 4860 12.6 425 sx.  Packer type and depth set None.  Comment Details 4" Liner from 2795-2815' (Weatherford Enterra Homoo Internal Casing Patch).  CEMENT Class/Type of Cement of Sacks wt (ppg) (ft 7/sks) (ft 2) Top (MD) (ft Conductor Surface Coal Intermediate 1 Intermediate 2 Intermediate 2 Intermediate 3 Intermediate 3 Intermediate 3 Intermediate 42 Intermediate 42 Intermediate 5 Intermediate 5 Intermediate 6 Intermediate 6 Intermediate 7 Intermediate 7 Intermediate 7 Intermediate 7 Intermediate 8 Intermediate 9	, ,
Coal	
Intermediate	nt
Intermediate 2	nt
Intermediate 3 Production 7" 0-61; 4772-4835 22 No cemer Tubing 4-1/2" 4860 12.6 425 sx.  Packer type and depth set None.  Comment Details  4" Liner from 2795-2815' (Weatherford Enterra Homco Internal Casing Patch).  CEMENT Class/Type Number Slurry Yield Volume Cement W(DATA of Cement of Sacks wt (ppg) (ft 3/sks) (ft 3/sks) (ft 3/sks) (ft 3/sks)  Surface Coal Intermediate 1 Intermediate 2 Intermediate 2 Intermediate 3 Production Tubing 425 sx.  Drillers TD (ft) 4930' Deepest formation penetrated Oriskany Plug back to (ft)	nt
Production   7"   0-61; 4772-4835   22	
Tubing	
Packer type and depth set None.  Comment Details  A" Liner from 2795-2815' (Weatherford Enterra Homco Internal Casing Patch).  CEMENT Class/Type Number Slurry Yield Volume Cement WC DATA of Cement of Sacks wt (ppg) (ft 3/sks) (ft 2) Top (MD) (ht Conductor Surface  Coal Intermediate 1 Intermediate 2 Intermediate 3 Production  Tubing 425 sx.  Drillers TD (ft) 4930' Loggers TD (ft) 4930'  Deepest formation penetrated Oriskany Plug back to (ft)	nt
Comment Details  4" Liner from 2795-2815' (Weatherford Enterra Homco Internal Casing Patch).  CEMENT Class/Type Number Slurry Yield Volume Cement W(DATA of Cement of Sacks wt (ppg) (ft 3/sks) (ft 3) Top (MD) (ft 3/sks)  Conductor  Surface  Coal  Intermediate 1  Intermediate 2  Intermediate 3  Production  Tubing 425 sx.  Drillers TD (ft) 4930'  Loggers TD (ft) 4930'  Plug back to (ft)	
CEMENT Class/Type Number Slurry Yield Volume Cement WC DATA of Cement of Sacks wt (ppg) (ft ³/sks) (ft ³) Top (MD) (ht Conductor Surface Coal Intermediate 1 Intermediate 2 Intermediate 3 Production Tubing 425 sx.  Drillers TD (ft) 4930' Loggers TD (ft) 4930' Plug back to (ft)	
DATA   of Cement   of Sacks   wt (ppg)   (ft ³/sks)   (ft ²)   Top (MD)   (ht Conductor   Surface   Surf	
Surface  Coal  Intermediate 1  Intermediate 2  Intermediate 3  Production  Tubing  425 sx.  Drillers TD (ft) 4930'  Deepest formation penetrated Oriskany  Plug back to (ft)	
Coal Intermediate 1 Intermediate 2 Intermediate 3 Production Tubing  425 sx.  Drillers TD (ft) 4930' Deepest formation penetrated Oriskany  Plug back to (ft)	
Intermediate 1 Intermediate 2 Intermediate 3 Production Tubing 425 sx.  Drillers TD (ft) 4930' Deepest formation penetrated Oriskany  Plug back to (ft)	
Intermediate 2 Intermediate 3 Production Tubing  425 sx.  Drillers TD (ft) 4930' Deepest formation penetrated Oriskany  Plug back to (ft)	
Intermediate 3  Production  Tubing 425 sx.  Drillers TD (ft) 4930'  Deepest formation penetrated Oriskany  Loggers TD (ft) 4930'  Plug back to (ft)	
Production Tubing 425 sx.  Drillers TD (ft) 4930' Deepest formation penetrated Oriskany  Production  Loggers TD (ft) 4930' Plug back to (ft)	
Tubing 425 sx.  Drillers TD (ft) 4930' Deepest formation penetrated Oriskany  Loggers TD (ft) 4930' Plug back to (ft)	
Drillers TD (ft) 4930'  Deepest formation penetrated Oriskany  Loggers TD (ft) 4930'  Plug back to (ft)	
Deepest formation penetrated Oriskany Plug back to (ft)	
Deepest formation penetrated Oriskany Plug back to (ft)	
	FILED
Kick off depth (ft)	12 20
W/ Dep Check all wireline logs run □ caliper □ density □ deviated/directional □ induction	Tarreger dan Pro
□ neutron □ resistivity □ gamma ray □ temperature □ sonic	
a neutron a resistivity a gamma tay a temperature asome	
Well cored □ Yes ■ No Conventional Sidewall Were cuttings collected □ Yes ■ No	
DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING	
WAS WELL COMPLETED AS SHOT HOLE	
WAS WELL COMPLETED OPEN HOLE? Yes Do DETAILS Open hole from 4860'-4930'.	
WERE TRACERS USED □ Yes ■ No TYPE OF TRACER(S) USED	

Farm name\_Bernard & Hazel Offutt \_Well number\_Ripley 7316 00521-00-00 API 47-035

## PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
					DEC TO THE
Please i	nsert additional pag	es as applicable.			Office of Official Go

Complete a separate record for each stimulation stage.

## STIMULATION INFORMATION PER STAGE

NOV 0 2 2020

Emily Division of

Stimulations Ave Treatment Stage Ave Pump Max Breakdown Amount of Amount of Amount of No. Date Rate (BPM) Pressure (PSI) Pressure (PSI) ISIP (PSI) Proppant (lbs) Water (bbls) Nitrogen/other (units) 11/12/2₽ 1395 40 bbls 1500 gal. acid

Please insert additional pages as applicable.



API 47- 035	00521-00-0	00 Farm	name Bernard	l & Hazel Of	futtWell	number_Riple	y 7316
PRODUCING Oriskany	FORMATION(		<u>DEPTHS</u> 4897'-4930'	TVD48	997'-4930' MI	)	
Please insert ac	lditional pages a	s applicable.			(		
GAS TEST	□ Build up □	Drawdown	Open Flow	OI	L TEST □ Flow	□ Pump	
SHUT-IN PRE	SSURE Surf	ace 1393	_psi Botto	om Hole 1577	psi DURA	TION OF TES	T 0.75 hrs
OPEN FLOW	Gas 73682 mcf	Oil pd	NGL bpd			MEASURED I	
LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD 0	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD 0	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TY TYPE OF FLUID (FR		D QUANTITYAND NE, OIL, GAS, H₂S, ETC)
	3-7						
							RECEIVED
							Office or Linand Co.
							NOV 0 2 2020
							Environment of
Please insert ad	ditional pages a	s applicable.					
Drilling Contra	ctor						
Address			City		State	Zip	-
	any		City		State	Zip	
Cementing Con Address	npany		City	7	State	Zip	
Address Weather	mpany Key Enderford Boulevard ditional pages as			Buckhannon	State	Zip	26201
		c application.			m 1 1 704.05	0.0610	
Completed by Signature	Brus Male		Title St	orage Engineer	Telephone 724-25		20
	draulic Fracturi				ttach copy of FRAC		,