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

API <u>47</u> - 015	02892	County Clay		District Union				
				Field/Pool Name Rouzer				
Farm name Bettie Bell				Well Number 7				
Operator (as registered v	vith the OOG)	Rouzer Oil Comp	any					
Address P. O. Box 98	7	City Spe	encer	State WV	Zip_25276			
Landing Point	op hole N	Attach an as-drille forthing 4,256,312.078 orthing N/A N/A	I	and deviation survey Easting 482,398.776 Easting N/A N/A				
Elevation (ft) 1105	GL	Type of Well	■New □ Existing	Type of Repor	rt □Interim ■Final			
Permit Type 🛛 Devi	ated □ Ho	rizontal 🗆 Horizon	ntal 6A 🗂 Vertica	l Depth Type	□ Deep ■ Shallow			
Type of Operation □ Co	onvert 🗆 De	epen 🖺 Drill 🛭	Plug Back 🗆 Re	drilling 🗆 Rework	■ Stimulate			
Well Type □ Brinc Dis	posal □ CBM	■ Gas ■ Oil □ Sec	condary Recovery	Solution Mining 🗆 S	Storage 🗆 Other			
Type of Completion ■ Drilled with □ Cable	=	iple Fluids Produ						
Drilling Media Surface Production hole Air			ater Intermedia e		D Brine			
Mud Type(s) and Addit	ive(s)			001 022	314			
:				wv Departr	nent of			
Date permit issued	9/5/2013	Date drilling com	menced5/18/20	Environmental	Protection _{3 ceased} 5/21/2014			
Date completion activities	es began	6/19/2014	Date completion	activities ceased	6/23/2014			
Verbal plugging (Y/N)	N D							
Please note: Operator is	required to sub	mit a plugging applic	ation within 5 days o	of verbal permission to	plug			
Freshwater depth(s) ft	Not de	etermined	Open mine(s) (Y/N	I) depths	N			
Salt water depth(s) ft	41	200	•	ed (Y/N) depths	N			
Coal depth(s) ft	400.0	157	Cavern(s) encounte	ered (Y/N) depths	N			
Is coal being mined in a	rea (Y/N)	N			Reviewed by:			

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API 47- 015	_ 02892	Farm na	ame_Bettie Be	Well number 7					
CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft		Basket Depth(s)		ment circulate (Y/N) ide details below*
Conductor		13"	10'	New	T		2004.(3)	T	ide details below
Surface	12.25"	9-5/8"	378'	New	2	26 lb.	None		Y
Coal								<u> </u>	<u> </u>
Intermediate 1	8.75"	7"	1,561'	New	17 lb.		None		Y
Intermediate 2									
Intermediate 3									
Production	6.5"	4.5"	2,110'	New	10	0.5 lb.	None	1	
Tubing			`					 	
Packer type and de	epth set			·	<u> </u>		-		
Comment Details									
CEMENT DATA	Class/Type of Cement	Numbe of Sack			Yield t³/sks)	Volume	Ceme Top (M		WOC (hrs)
Conductor									
Surface	Type 1	145	15.6	6	1.18	171.1	Surfa	ce	8
Coal									
Intermediate 1	Type 1	225	14.8	3	1.4	315	Surfa	ce	8
Intermediate 2									-
Intermediate 3									
Production	50/50 Poz Cem	ent 65	14.2	2	1.29	83.9	1,48	4'	
Tubing			<u> </u>						
-) 2.150 tion penetrated _ cedure			Loggers T Plug back		48			
Kick off depth	(ft)					-	· P · · · · · · · · · · · · · · · · · ·		
Check all wire	line logs run	□ caliper □ neutron	□ density □ resistivity		ed/directi a ray		nduction temperature	□soni	c
Well cored	Yes 🖪 No	Convention	onal Side	wall	w	ere cutting	s collected	Yes ı	■ No
						_			
DESCRIBE T	HE CENTRALI	ZER PLACEMI	ENT USED FO	OR EACH C	ASING S	TRING _c	entralizer placed at e	ach bottom	four collars of 4.5" string.
_									
WAS WELL O	COMPLETED A	S SHOT HOLE	E □ Yes ■	No Di	ETAILS				
WAS WELL O	COMPLETED C	PEN HOLE?	□ Yes 🛔 N	lo DET	AILS _				
WERE TRAC	ERS USED 🗆	Yes B No	TYPE OF T	RACER(S)	USED _	-			

API	47- 015 - 0	02892	Farm name_	Bettie Bell	_Well number_7	
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PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	6/19/2014	1982	1984	8	Big Injun Sand
1	6/19/2014	1988	1992	16	Big Injun Sand
1	6/19/2014	1996	2006	40	Big Injun Sand
			<u> </u>		
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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)
1	6/23/14	16	1,750	1,549	1,885	52,500	690	N/A
<u></u>								
		·						

Please insert additional pages as applicable.

API 47- 015 - 02892			Farm name_Bettie Bell			Well number_7				
PRODUCING	FORMATION(S	0	<u>DEPTHS</u>							
Big Injun Sand			1,960' TVD 1,		1,960'	MD				
-		_		-		_				
				_		_				
Please insert ac	dditional pages as	applicable.			=	_				
GAS TEST	□ Build up □	Drawdown	■ Open Flow		OIL TEST	Flow □ Pu	ımp			
	SSURE Surfa				psi			ST 48 hrs		
OPEN FLOW		Oil	NGL		Water	GAS MEA		79.		
	20 mcfp	d 0			0 bpd					
LITHOLOGY/	TOP	воттом	TOP	BOTTON	1					
FORMATION	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN MD				RD QUANTITYAND LINE, OIL, GAS, H ₂ S, ETC)		
see attached pg.	0		0	1,000		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Please insert ac	lditional pages as	applicable.								
Drilling Contra Address 11565	octor Decker Drillin	ng	Cin	Vincent		State Of	d 7:	45784		
		oray Condoor	City	VIIIOOIIK		State	Zij	, 10101		
Address 500 W	any Precision Endinscott Road	ergy Services	City	Fort Worth		State T>	Zi _j	, 76126		
Cementing Cor	mpany Universal \	Well Services								
Address 5 Hall Run Road			City	Buckhanno	n	State _W	VZij	26201		
Stimulating Co Address 2489 B	and the same of	al Well Servic	7.5 171	Wooster	=1	State Of	4 9	44691		
With the second	Iditional pages as	applicable.	City	VVOUSIEI		State O	Zij	44691		
Completed by	J. B. Hildreth				Telephon	e 304.927.457	74			
Signature	3 North	K	Title P	resident		Dat	e Septem	per 26, 2014		
Submittal of H	ydraulic Fracturir	ng Chemical	Disclosure Info	rmation	Attach copy	of FRACFOC	US Regis	stry		

<u>Formation</u>	Depth (ft.)
Shale & sand	0 – 50
Shale	50 – 130
Coal	130 – 135
Shale	135 – 157
Coal	157 – 162
Shale	162 – 230
Sand	230 – 260
Shale	260 – 290
Sand	290 – 320
Shale	320 – 710
Sand	710 – 770
Shale	770 – 980
Sand	980 – 1080
Shale	1080 - 1130
Sand	1130 – 1160
Shale	1160 – 1170
Salt Sand	1170 – 1500 Water 1200
Shale	1500 – 1680
Maxon Sand	1680 – 1800
Shale	1800 - 1810
Blue Monday	1810 – 1820
Big Lime	1820 1930
Keener Sand	1930 – 1960
Big Injun Sand	1960 – 2010
Red Rock	2010 - 2148