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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 47 - 013 - 04583F Cour	nty Calhoun	alhoun District Sheridan				
Consider villa	Field/Pool Name					
Farm name Elbert, Hubert F. (Miller #24)		Well Number #24				
Operator (as registered with the OOG) Bucket						
		State OH	Zip 44691			
Top hole Northing	4320877					
Landing Point of Curve Northing			<del></del>			
Bottom Hole Northing		Easting				
Elevation (ft) 1181 GL T	ype of Well □New 🛔 l	Existing Type of Rep	ort □Interim ■Final			
Permit Type   Deviated   Horizontal	□ Horizontal 6A 🔹	Vertical Depth Type	□ Deep    Shallow			
Type of Operation □ Convert □ Deepen	□ Drill □ Plug Back	□ Redrilling □ Rework	k			
Well Type □ Brine Disposal □ CBM ■ Gas	■ Oil □ Secondary Rec	overy   Solution Mining	Storage   Other			
Drilled with □ Cable ■ Rotary  Drilling Media Surface hole □ Air □ Mud  Production hole □ Air □ Mud □ Fresh Ward  Mud Type(s) and Additive(s)		termediate hole □ Air □ M	I □ Other			
Date permit issued 3-5-2010 Date	drilling commenced	Data deilli				
Date completion activities began 4-12	-10 Date com	pletion activities ceased	5-1-10			
Verbal plugging (Y/N) Date permi	ssion granted	Granted by				
·						
Please note: Operator is required to submit a plu	gging application within	5 days of verbal permission to	o plug			
Freshwater depth(s) ft	Open mine	e(s) (Y/N) depths	DECEIVED			
Salt water depth(s) ft		countered (Y/N) depths	RECEIVED			
Coal depth(s) ft		encountered (Y/N) depths				
Is coal being mined in area (Y/N)		, , , , , , , , , , , , , , , , , , ,	MAY 1 6 2014			

Reviewed by:

WV Department of
Environmental Protection
05/23/2014

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API 47- 013	_ 04583F	Farm nam	e Elbert, Hube	rt F. (Miller#	24) Well r	number_#24	
CASING STRINGS	Hole Size	Casing Size		ew or Grade Jsed wt/ft	В	Jasket [	Did cement circulate (Y/N) Provide details below*
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3 Production							
Tubing							
Packer type and de	nth set	<u>_</u>					
acker type and de	ptir set	· · · · · · · · · · · · · · · · · · ·					
Comment Details	No change						
CEMENT DATA Conductor	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield ( ft ³/sks)	Volume (ft. <sup>1</sup> )	Cement Top (MD)	WOC (hrs)
Surface				<del>                                     </del>		<del> </del>	
Coal					···		<del>-  </del>
ntermediate 1		+	<del></del>			<del> </del>	
ntermediate 2							
ntermediate 3	7-7				·	<del> </del>	
Production		<del> </del>				<del></del>	
ubing							
Orillers TD (ft) Deepest formati Plug back proce	on penetrated			ggers TD (ft) g back to (ft)			
Cick off depth (							
Check all wirelin	ne logs run	□ caliper □		deviated/direction gamma ray		uction nperature c	sonic
Vell cored □ \		Conventional				ollected 🗆 Ye	
······································			□ Yes □ No				
			Yes 🗆 No			F	RECEIVED of Oil and Gas
							1AY 1 6 2014
PICE LIVACER	S OSED   Ye	> □ NO 1	YPE OF TRACE	K(S) USED	<del></del>		
						WV-	Department of mental Protection

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API 47- 013 -04583F Farm name\_Elbert, Hubert F. (Miller #24) Well number\_#24

## PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	4-13-10				Set bridge plug @ 2300'
2	4-13-10	2218	2268	17	Big Injun
-					
<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)
1	4-14-10	10	1450	1842	1570	22,000	500	n/a
								11.0
							<u> </u>	
			<u></u> _			<del>                                     </del>		
							-	
			<del></del>		<del></del>	-		<del></del>
				<del>   </del>			<del></del>	
				<del>                                     </del>				
			<del>-</del>				·	
		-						
			· · · · · · · · · · · · · · · · · · ·	<del>                                     </del>	<del></del>	<u> </u>		·
		·	<del> </del>	<del> </del>				
				<del>                                     </del>			PFC	EIVED
	<del></del>		<del></del>	<del> </del>			Title O	Mand Coe
			<del></del>		<del> </del>	<u> </u>	MICE OL	oll and Gas

Please insert additional pages as applicable.

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API 47- 013 - 04	583F	Farm	name Elbert, I	lubert F.	(Miller #24)	Well n	number #24
PRODUCING FORM							
	IATIONS	_	<u>DEPTHS</u>				
Big Injun		<del></del>	2218 - 2268	_ TVD		MD	
·		<del></del> .	<del> </del>				
		<del></del> .		_		<del></del>	
Please insert addition	al pages as	applicable.				<del></del>	
GAS TEST 🗆 Bui	ld up 🗆 🛚	Drawdown	Open Flow		OIL TEST 🗆	Flow <b>B</b>	l Pump
SHUT-IN PRESSUR	E Surfa	ce <u>440</u>	psi Botto	m Hole	psi	DURAT	TION OF TEST 48 hrs
OPEN FLOW Ga			NGL bpd	_ bpd _			MEASURED BY nated   Orifice   Pilot
LITHOLOGY/	TOP	воттом	TOP	BOTTON	M		
	TH IN FT	DEPTH IN FT				ROCK TYP	PE AND RECORD QUANTITYAND
NAI	ME TVD	TVD	MD	MD			SHWATER, BRINE, OIL, GAS, H <sub>2</sub> S, ETC)
	0		0				No change
			·				
			<u> </u>				
		<del>.</del>	<del>-</del>				
		· <del></del>		_		•	
							· · · · · · · · · · · · · · · · · · ·
			<del></del>				
Please insert additiona	l pages as	applicable.	<u></u>		L		
Orilling Contractor							
Address			City			State	Zip
ogging Company							
Address			City			State	Zip
Cementing Company   Address			City			State	Zip
Stimulating Company	Producer	rs Services					
Address 109 S. Graham	St.		City	Zanesville		State	OH Zip 43702 VED
lease insert additiona	l pages as	applicable.					Office of Oil and Gas
Completed by Stever	n W. Sialer				_ Telephon	a 330-264	
					_ reichiiou		Date 5/13/14/AY 1 6 2014
	_						COCI S Position