WR-35 Rev. 8/23/13 Page 1 of 4

OCT 31 2014

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

API 47-15 _0	02888 County CLAY	District	UNION					
Quad ELKHURST 7.5		AND THE RESERVE TO MAKE THE STATE OF	ool Name					
Farm name CONNER,				COCHRAN #3				
Operator (as registered wit	h the OOG) RAVEN RIDGE	ENERGY, LLC						
Address 3230 PENNS	YLVANIA AVE. City CH	HARLESTON Sta	te WV	Zip 25302				
				Principal Principal				
		led plat, profile view, and deviat						
The State of the S	Top hole Northing N/A Easting N/A Landing Point of Curve Northing Easting							
Bottom	Hole Northing							
Elevation (ft) 1,237'	GL Type of Well	■New □ Existing Ty	pe of Report	Interim Final	Prilly Permit			
Permit Type Deviate	ed Horizontal Horizo	ontal 6A Vertical D	epth Type	Deep Shall	ow J			
Type of Operation □ Con	vert □ Deepen ■ Drill	□ Plug Back □ Redrilling	□ Rework	□ Stimulate				
Well Type □ Brine Dispo	osal □ CBM ■ Gas ■ Oil □ Se	econdary Recovery	Mining Sto	rage 🗆 Other				
	ngle □ Multiple Fluids Prod Rotary	luced Brine BGas 🗆 NO	GL ∄ Oil	Other				
Drilling Media Surface h	nole ■ Air □ Mud □Fresh W	ater Intermediate hole	Air 🗆 Mud	□ Fresh Water □ Br	ine			
	□ Mud □ Fresh Water □ Brin							
Mud Type(s) and Additive	e(s)							
	ATRICK CONTRACTOR							
Date permit issued 6/2			Date drilling c		3			
Date completion activities	began N/A	Date completion activities co	eased	N/A				
Verbal plugging (Y/N)	Date permission grante	ed Gra	nted by					
Please note: Operator is re	equired to submit a plugging appli	cation within 5 days of verbal po	ermission to pl	ug				
Freshwater depth(s) ft	200'	Open mine(s) (Y/N) depths		N				
Salt water depth(s) ft	1150' - 1650'	Void(s) encountered (Y/N) d	lepths	N				
Coal depth(s) ft	N	Cavern(s) encountered (Y/N)		N				
Is coal being mined in area	ı (Y/N) N							
				Reviewed by:				

Page 2 of 4 WR-35 Rev. 8/23/13 Well number J.S. COCHRAN #3 API 47-15 02888 CONNER, CHESSIE, ET AL. CASING Hole Casing New or Grade Basket Did cement circulate (Y/N) STRINGS Size Depth Size Used wt/ft Depth(s) * Provide details below* Conductor 14 1/4" 13 3/8" 30' NEW J-55 - 42 LBS NONE YES - CEMENTED BY RIG Surface 12 1/4" 9 5/8" NEW 377' J-55 - 29 LBS 120' YES Coal Intermediate 1 8 3/4" 1908' NEW J-55 - 17 LBS 335' YES Intermediate 2 Intermediate 3 Production 6 1/4" 4 1/2" 2230' NEW J-55 10.5 LBS NONE YES Tubing Packer type and depth set Comment Details CEMENT Class/Type Number Slurry Yield Volume Cement WOC (ft 1) DATA of Cement of Sacks (ft 3/sks) wt (ppg) Top (MD) (hrs) Conductor CLASS I 10 - RIG **GROUND LEVEL** 8 Surface CLASS I 140 15.6 1.18 165.2 **GROUND LEVEL** 8 Coal Intermediate 1 CLASS I 14.7 275 1.36 374 **GROUND LEVEL** 8 Intermediate 2 Intermediate 3 Production CLASS I 70 15.6 1.18 82.6 1650' 12 Tubing Drillers TD (ft) 2350' Loggers TD (ft) 2346' Deepest formation penetrated SQUAW Plug back to (ft) Plug back procedure Kick off depth (ft) N/A Check all wireline logs run □ caliper density □ deviated/directional induction ■ neutron □ resistivity ■ gamma ray ■ temperature □sonic Well cored □ Yes □ No Conventional Sidewall Were cuttings collected Yes No DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING DETAILS WAS WELL COMPLETED OPEN HOLE? Yes I No DETAILS FRAC/COMPLETION HAS NOT BEEN COMPLETED TO DATE. WERE TRACERS USED Yes No TYPE OF TRACER(S) USED

WR-35 Rev. 8/23/13

Colland soon

Page 3 of 4

API 47-15 _ 02888

Farm name_CONNER, CHESSIE, ET AL.

_Well number_J.S. COCHRAN #3

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
	N/A				
	digential Assess				
				er Feet	
				· 计 · · · · · · · · · · · · · · · · · ·	
			\$		

Please insert additional pages as applicable.

STIMULATION INFORMATION PER STAGE

Complete a separate record for each stimulation stage.

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)
N/A							3 (2.00)
S. S. S.							
						- History	
							Service 1
						1	
	Date	Date Rate (BPM)	Date Rate (BPM) Pressure (PSI)	Date Rate (BPM) Pressure (PSI) Pressure (PSI)	Date Rate (BPM) Pressure (PSI) Pressure (PSI) ISIP (PSI)	Date Rate (BPM) Pressure (PSI) Pressure (PSI) ISIP (PSI) Proppant (lbs)	Date Rate (BPM) Pressure (PSI) Pressure (PSI) ISIP (PSI) Proppant (lbs) Water (bbls)

Please insert additional pages as applicable.

OCT 31 2014

Page 4 of 4 WR-35 Rev. 8/23/13 Oil and Gas API 47- 15 _ 02888 Farm name CONNER, CHESSIE, ET AL. Well number J.S. COCHRAN #3 PRODUCING FORMATION(S) **DEPTHS** NONE TVD MD Please insert additional pages as applicable. **GAS TEST** □ Build up □ Drawdown □ Open Flow OIL TEST | Flow | Pump Surface psi Bottom Hole psi SHUT-IN PRESSURE DURATION OF TEST **OPEN FLOW** Oil NGL Water GAS MEASURED BY mcfpd bpd bpd bpd □ Estimated □ Orifice LITHOLOGY/ TOP BOTTOM TOP BOTTOM DESCRIBE ROCK TYPE AND RECORD QUANTITY AND **FORMATION** DEPTH IN FT DEPTH IN FT DEPTH IN FT DEPTH IN FT MD NAME TVD TVD TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H2S, ETC) MD SAND & SHALE 1048 0 0 SALT SANDS 1048' 1646' MAUCH CHUNK 1646' 1832' LITTLE LIME 1832' 1871' **BLUE MONDAY** 1871' 1891' **BIG LIME** 1891' 2003' 2003' 2062' GREENBRIER GROUP **BIG INJUN** 2062 2082 KEENER 2082' 2096' SQUAW 2096' 2116' SAND & SHALE 2116' 2350 Please insert additional pages as applicable. Drilling Contractor CUNNINGHAM ENERGY, LLC City CHARLESTON Address 3230 PENNSYLVANIA AVENUE State WV Zip 25302 Logging Company NABORS COMPLETION & PRODUCTION Address 1650 HACKERS CREEK ROAD Zip 26378 State WV Cementing Company FORMATION CEMENTING, INC. City ZANESVILLE Address P.O. BOX 2667 State OH Zip 43702 Stimulating Company N/A Address City State Zip Please insert additional pages as applicable. Completed by DANIELLE N. BOGGS Telephone 304-344-9291 Dagra) Title OPERATIONS MANAGER Signature Date 10/2/2014 Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

. . >