

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

RECEIVED
Office of Oil & Gas

MAR 17 2014

API 47-039-05815R County Kanawha District Elk
Quad Mammoth 7.5' Pad Name Godshall #13 Field/Pool Name _____
Farm name Shaver Land Holding, LLC Well Number #13 WV0048
Operator (as registered with the OOG) Mountain V Oil & Gas, Inc.
Address PO Box 470 City Bridgeport State WV Zip 26330

WV Department of
Environmental Protection

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,242,489.9 Easting 460,003.4
Landing Point of Curve Northing N/A Easting N/A
Bottom Hole Northing N/A Easting N/A

Elevation (ft) 879 GL Type of Well New Existing Type of Report Interim Final
Permit Type Deviated Horizontal Horizontal 6A Vertical Depth Type Deep Shallow
Type of Operation Convert Deepen Drill Plug Back Redrilling Rework Stimulate
Well Type Brine Disposal CBM Gas Oil Secondary Recovery Solution Mining Storage Other _____
Type of Completion Single Multiple Fluids Produced Brine Gas NGL Oil Other _____
Drilled with Cable Rotary

Drilling Media Surface hole Air Mud Fresh Water Intermediate hole Air Mud Fresh Water Brine
Production hole Air Mud Fresh Water Brine
Mud Type(s) and Additive(s)

Date permit issued 07/09/2013 Date drilling commenced N/A Date drilling ceased N/A
Date completion activities began 10/22/2013 Date completion activities ceased 11/06/2013
Verbal plugging (Y/N) _____ Date permission granted _____ Granted by _____

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft N/A Open mine(s) (Y/N) depths N/A
Salt water depth(s) ft N/A Void(s) encountered (Y/N) depths N/A
Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths N/A
Is coal being mined in area (Y/N) N

Reviewed by:

API 47-039 - 05815R Farm name Shaver Land Holding, LLC Well number #13 WV0048

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade wt/ft	Basket Depth(s)	Did cement circulate (Y/ N) * Provide details below*
Conductor		13 3/8"	32'				EXISTING
Surface		9 5/8"	250				EXISTING
Coal							
Intermediate 1		7"	1,110'				EXISTING
Intermediate 2							
Intermediate 3							
Production		4 1/2"	2,254'				EXISTING
Tubing							
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor							
Surface							
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production							
Tubing							

Drillers TD (ft) _____ Loggers TD (ft) _____

Deepest formation penetrated _____ Plug back to (ft) _____

Plug back procedure _____

Kick off depth (ft) _____

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 _____

WAS WELL COMPLETED AS SHOT HOLE Yes No DETAILS _____

WAS WELL COMPLETED OPEN HOLE? Yes No DETAILS _____

WERE TRACERS USED Yes No TYPE OF TRACER(S) USED _____

API 47- 039 - 05815R Farm name Shaver Land Holding, LLC Well number #13 WV0048

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	11/5/2013	1,708'	1,718'	20	Weir
2	11/5/2013	1,610'	1,644'	42	Injun

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	11/5/13	28	4,000	3,150	2,200	15,000	94	262,000
2	11/5/13	28	3,200	2,500	1,900	4,0000	165	538,000
			Please	See	Attached			

Please insert additional pages as applicable.

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<u>PRODUCING FORMATION(S)</u>	<u>DEPTHS</u>	
	TVD	MD
_____	_____	_____
_____	_____	_____
_____	_____	_____

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 260 psi Bottom Hole _____ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 135 mcfpd Oil _____ bpd NGL _____ bpd Water _____ bpd
GAS MEASURED BY Estimated Orifice Pilot

LITHOLOGY/ FORMATION	TOP	BOTTOM	TOP	BOTTOM	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
	DEPTH IN FT NAME TVD	DEPTH IN FT TVD	DEPTH IN FT MD	DEPTH IN FT MD	
	0		0		

Please insert additional pages as applicable.

Drilling Contractor Petty Oilfield Servies
Address PO Box 437 City Hamlin State WV Zip 25523

Logging Company _____
Address _____ City _____ State _____ Zip _____

Cementing Company Universal Well Services
Address PO Box 200969 City Dallas State TX Zip 75320-0969

Stimulating Company Universal Well Services
Address PO Box 200969 City Dallas State TX Zip 75320-0969

Please insert additional pages as applicable.

Completed by S. Michael Shaver Telephone 304-842-6320
Signature [Signature] Title President Date 3/3/14

Submittal of Hydraulic Fracturing Chemical Disclosure Information Attach copy of FRACFOCUS Registry

4703905815

WELL WORK HISTORY

Godshall #13-WV0048

10/22/13: Pettey Oilfield Services MIRU pull 2 3/8" 10rd tubing, check TD, swab well dry.

10/23/13: Blue Dot set cast iron bridge plug inside 4 1/2" casing @ 1800'. Universal Well Services loaded hole and pressure tested to 4000 psi. Blue Dot shot squeeze holes from 1712-1714 2ft 10holes. Universal Well Services cemented with 50sks 50/50 POZ 2% salt 10% gel.

10/24-10/30/13: WOC

10/31/13: Pettey Oilfield Services drilled cement to plug.

11/4/13: Blue Dot ran CBL/CCL from 1794-700'. Pettey swabbed well dry.

11/5/13: Universal Well Services loaded hole with 500 gal 28% HCL and treated water. Blue Dot perforated 1st stage 1718-1708 20holes. Universal Well Services fracked 1st stage with 15,000# 20/40 sand 75Q Cross Linked Foam 262,000 scf N2. Blue Dot set large mouth frac plug @ 1680 and perforated 2nd stage 1644-1610 42 holes. Universal Well Services fracked 2nd stage with 40,000# 20/40 sand 75Q Cross Linked Foam 538,000 scf N2. Pettey flowed well back.

11/6/13: Pettey drilled frac plug, TD well, swabbed dry and shut in

11/7/13: TIL