

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

API 47 - 105 - 01370 County Wirt District Reedy
Quad Liverpool 7.5' Pad Name Kittle Field/Pool Name _____
Farm name Smith, Garland V. ET AL Well Number Kittle #1 WV0461
Operator (as registered with the OOG) Mountain V Oil & Gas, Inc.
Address PO Box 470 City Bridgeport State WV Zip 26330

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,312,159.9 Easting 453,249
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1,095' 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 Dry
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 8/28/2013 Date drilling commenced 9/17/2013 Date drilling ceased 10/10/2013
Date completion activities began 10/25/2013 Date completion activities ceased 10/25/2013
Verbal plugging (Y/N) N/A Date permission granted N/A Granted by N/A

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

Freshwater depth(s) ft 890' Open mine(s) (Y/N) depths N
Salt water depth(s) ft 2,140' Void(s) encountered (Y/N) depths N
Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

Reviewed by:

05/21/2021

API 47-105 - 01370

Farm name Smith, Garland V. ET AL

Well number Kittle #1 WV0461

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	16"	13"	30'	New			N - Sand In
Surface	12 - 3/4"	9 - 5/8"	380'	New	22		Y 150 SKS
Coal							
Intermediate 1	8 - 3/4"	7"	2007'	New	17		Y 330 SKS
Intermediate 2							
Intermediate 3							
Production	6 - 1/4"	4 - 1/2"	2801'	New	9.5#		Y 80 SKS
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) 2801' Loggers TD (ft) 2900'
 Deepest formation penetrated Berea 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 N/A

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- 105 - 01370 Farm name Smith, Garland V. ET AL Well number Kittle #1 WV0461

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
1	10/22/2013	2700'	2702'	10	Berea

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	10/25/2015	25	2705		2072	15,195	103	279,099 scf

Please insert additional pages as applicable.

API 47- 105 - 01370 Farm name Smith, Garland V. ET AL Well number Kittle #1 WV0461

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

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 188 psi Bottom Hole _____ psi DURATION OF TEST 24 hrs

OPEN FLOW Gas N/A mcfpd Oil N/A bpd NGL N/A bpd Water N/A 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		
Big Lime	2064	2264			
Big Injun	2280	2330			
Coffee Shale	2685	2700			
Berea Sandstone	2700	2702			
Shale	2702	2900			

Please insert additional pages as applicable.

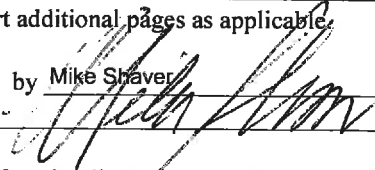
Drilling Contractor Waco Oil & Gas, Inc.
Address PO Box 397 City Glenville State WV Zip 26351

Logging Company Superior Well Services, Inc.
Address PO Box 975682 City Dallas State TX Zip 75397-5682

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

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

Please insert additional pages as applicable.

Completed by Mike Shaver Telephone 304-842-6320
Signature  Title President Date _____

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