

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

API 47-039-06360 County Kanawha District Union
Quad Pocatalico Pad Name n/a Field/Pool Name n/a
Farm name Wallace, Matthew M. Well Number Wallace #1
Operator (as registered with the OOG) Reserve Oil and Gas, Inc.
Address 929 Charleston Road City Spencer State WV Zip 25276

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4249423N (38.3907528N) Easting 0436351E (-81.7288344W)
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 736 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)
n/a

Date permit issued 07/10/2013 Date drilling commenced 9/27/13 Date drilling ceased 10/8/13
Date completion activities began 10/21/2013 Date completion activities ceased 10/28/2013
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 65' Open mine(s) (Y/N) depths NO
Salt water depth(s) ft 1085', 1150' Void(s) encountered (Y/N) depths NO
Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths NO
Is coal being mined in area (Y/N) NO

Reviewed by:

API 47-039 - 06360 Farm name Wallace, Matthew M. Well number Wallace #1

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	17 1/2	13 3/8	38'	New	48.0	none	No, cement by hand to surface
Surface	12 1/4	9 5/8	336'	New	26.0	1 at 84'	Yes, 8 bbls to pit
Coal							
Intermediate 1	8 3/4	7	1899'	New	17.0	1 at 295'	yes, 5 bbls to pit
Intermediate 2							
Intermediate 3							
Production	6 1/2	4 1/2	4510.5'	New	11.6	5 @ jts: 10,20,30,40,50	
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	Portland/Calcium	7/1	N/A	N/A	N/A	GL	13 hrs
Surface	Type 1	110	14.8	1.40	154.0	GL	13 hrs
Coal							
Intermediate 1	Unifillite/Type 1	140/75	12.7/15.6	1.84/1.18	257.6/88.5	GL	11 hrs
Intermediate 2							
Intermediate 3							
Production	Stronglite 250	160	12.3	2.34	374.4	4510'	12 hrs
Tubing							

Drillers TD (ft) 4520 Loggers TD (ft) 4523
 Deepest formation penetrated Devonian Shale 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 _____

13 3/8": no centralizers used
 9 5/8": 1 centralizer used
 7": 3 centralizers used at joints: 10, 20, 39
 4 1/2": 6 at joints: 10, 20, 30, 40, 50, & 60

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 _____

