

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

API 47 - 039 - 06362 County Kanawha District Elk
Quad Big Chimney Pad Name n/a Field/Pool Name n/a
Farm name River Ridge Community Church Well Number River Ridge #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 593,304 (424022) 39,392,102 Easting 1,805,809 (0450428) 71,567,5681
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 775 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 08/09/2013 Date drilling commenced 9/10/2013 Date drilling ceased 9/20/2013
Date completion activities began 10/1/2013 Date completion activities ceased 10/1/2013
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 70 Open mine(s) (Y/N) depths _____
Salt water depth(s) ft 730, 825 Void(s) encountered (Y/N) depths _____
Coal depth(s) ft None Cavern(s) encountered (Y/N) depths _____
Is coal being mined in area (Y/N) NO

RECEIVED
Office of Oil and Gas
NO
OCT 15 2013
Reviewed by:
WV Department of
Environmental Protection
12/06/2013

API 47-039 - 06362 Farm name River Ridge Community Church Well number River Ridge #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	337	New	26.0	1 at 84'	No, grouted 20 sacks to surface
Coal							
Intermediate 1	8 3/4	7	1730	New	17.0	1 at 295'	Yes, 5 bbl to pit
Intermediate 2							
Intermediate 3							
Production	6 1/2	4 1/2	4409.05	New	11.6	5 at joints: 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	10				GL	13
Surface	Type 1	120	14.7	1.39	168	GL	13
Coal							
Intermediate 1	15-85-8/Type 1	90/135	12.3/15.6	2.26/1.2	203.4/162	GL	8
Intermediate 2							
Intermediate 3							
Production	Tufflite	140	12.0	2.49	348.6	4426	10
Tubing							

Drillers TD (ft) ⁴⁴²⁶ _____ Loggers TD (ft) ⁴⁴³⁵ _____
 Deepest formation penetrated Huron 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, 30
 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 _____

