



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

API 47 - 039 - 06361 County Kanawha District Union
Quad Pocatalico Pad Name n/a Field/Pool Name n/a
Farm name Pressure Products Co. Inc. Well Number Pressure Products #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 4249976N (38.3957001N) Easting 0435759E (-81.7356903W)
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 910 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 08/08/2013 Date drilling commenced 10/14/2013 Date drilling ceased 10/24/2013
Date completion activities began 10/29/13 Date completion activities ceased 11/5/13
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 NO
Salt water depth(s) ft 1276, 1480 Void(s) encountered (Y/N) depths NO
Coal depth(s) ft None Cavern(s) encountered (Y/N) depths NO
Is coal being mined in area (Y/N) NO

Reviewed by:

API 47-039 - 06361 Farm name Pressure Products Co. Inc. Well number Pressure Products #1

CASING STRINGS	Hole Size	Casing Size	Depth	New or Used	Grade w/ft	Basket Depth(s)	Did cement circulate (Y/N) * Provide details below*
Conductor	17 1/2	13 3/8	30'	New	48.0	n/a	Yes, cemented by hand to GL
Surface	12 1/4	9 5/8	336'	New	26.0	1 at 84'	yes, 5 bbls to pit
Coal							
Intermediate 1	8 3/4	7	2026.80'	New	17.0	1 at 295'	yes, 5 bbls to pit
Intermediate 2							
Intermediate 3							
Production	6 1/2	4 1/2	4558.35'	New	11.6	5 @ 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	Type 1 / Calcium	7/1	n/a	n/a	n/a	GL	7 hrs
Surface	Type 1	120	15.2	1.29	n/a	GL	14 hrs
Coal							
Intermediate 1	Unifillite/Type 1	150/75	12.7/15.6	1.84/1.18	276/88.5	GL	18 hrs
Intermediate 2							
Intermediate 3							
Production	Stronglite 250	160	12.3	2.34	374.4	4614	14 hrs
Tubing							

Drillers TD (ft) ⁴⁶¹⁴ _____ Loggers TD (ft) ⁴⁶⁵⁰ _____
 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, 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 _____

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PRODUCING FORMATION(S)	DEPTHS	
Huron	2893-3793	TVD 2900-3800 MD
Devonian Shale	3793-4607	3800-4614

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 0 psi Bottom Hole 155 psi DURATION OF TEST 10 hrs

OPEN FLOW Gas 267 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		
					See Attachment for Formations

Please insert additional pages as applicable.

Drilling Contractor Kanawha Valley Drilling
 Address 929 Charleston Road City Spencer State WV Zip 25276

Logging Company Nabors
 Address 515 West Greens Road, Suite 1100 City Houston State TX Zip 77067

Cementing Company Universal Well Services, Inc.
 Address Rt 5 Hall Road City Buckhannon State WV Zip 26201

Stimulating Company Universal Well Services, Inc.
 Address Rt 5 Hall Road City Buckhannon State WV Zip 26201

Please insert additional pages as applicable.

Completed by Ryan Fields Telephone 304-927-5033
 Signature Ryan Fields Title clerk Date 12/31/2013

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

