

JK

WR-35
Rev. 8/23/13

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

API 47-033-05750 County HARRISON District TEN MILE
Quad SALEM 7.5' Pad Name W.B. CARPENTER Field/Pool Name WOLF SUMMIT
Farm name JUNKINS, EARL & BELVA Well Number 134
Operator (as registered with the OOG) H.G. ENERGY LLC
Address 5260 DuPONT ROAD City PARKERSBURG State WV Zip 26101

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,347,640 M Easting 542,655 M
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing 4,347,573 M Easting 542,688 M

Elevation (ft) 1,160' 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 5/17/13 Date drilling commenced 5/9/14 Date drilling ceased 5/14/14
Date completion activities began 5/19/14 Date completion activities ceased 5/22/14
Verbal plugging (Y/N) 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 200' Open mine(s) (Y/N) depths N
Salt water depth(s) ft N/A Void(s) encountered (Y/N) depths N
Coal depth(s) ft 532'-539' Cavern(s) encountered (Y/N) depths N
Is coal being mined in area (Y/N) N

RECEIVED
Office of Oil and Gas

Reviewed by: _____

JAN 07 2015

API 47-033 - 05750 Farm name JUNKINS, EARL & BELVA Well number 134

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	12 1/4"	11 5/8"	30'	Used	LS		Sand In
Surface	8 3/4"	7"	633'	New	LS	64'	Y
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	6 1/2"	4 1/2"	2933.55'	New	J-55		Y
Tubing							
Packer type and depth set							

Comment Details Circulated Est. 25 sks to surface on 7" surface cement job. Circulated Est. 10 sks to surface on 4 1/2" cement job.

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	Reg Neat	200	15.6	1.18	236	Surface	8
Coal							
Intermediate 1							
Intermediate 2							
Intermediate 3							
Production	50:50 Pozmix/ Econo	200/75	14.2/11.8	1.27/2.93	254/220	50'	8
Tubing							

Drillers TD (ft) ^{2988'} _____ Loggers TD (ft) ^{2958'} _____
 Deepest formation penetrated Fifth Sand Plug back to (ft) N/A
 Plug back procedure N/A

Kick off depth (ft) ^{650'} _____

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 _____
20 Centralizers every 65' from bottom on 4 1/2", Centralizer placed mid string on 7"

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- 033 - 05750

Farm name JUNKINS, EARL & BELVA

Well number 134

PRODUCING FORMATION(S)

DEPTHS

Fifth Sand 2836'-2843' TVD 2848'-2856' MD

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

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

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

LITHOLOGY/ FORMATION TOP DEPTH IN FT NAME TVD BOTTOM DEPTH IN FT TVD TOP DEPTH IN FT MD BOTTOM DEPTH IN FT MD DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H₂S, ETC)

LITHOLOGY/ FORMATION	TOP DEPTH IN FT NAME TVD	BOTTOM DEPTH IN FT TVD	TOP DEPTH IN FT MD	BOTTOM DEPTH IN FT MD	DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H ₂ S, ETC)
Sand/Shale	0	532	0	532	
Pittsburgh Coal	532	539	532	539	
Sand/Shale	539	1875	539	1880	
Big Lime	1875	1968	1880	1975	
Big Injun	1968	2014	1975	2021	
Shale	2014	2424	2021	2435	
Fifty Foot	2424	2456	2435	2468	
Shale	2456	2535	2468	2546	
Sand	2535	2670	2546	2682	
Shale	2670	2836	2682	2848	
Fifth Sand	2836	2843	2848	2856	Drilled directional S 47° E a distance of 224'
Shale	2843	2975	2856	2988	
TD	2975		2988		

Please insert additional pages as applicable.

Drilling Contractor Decker Drilling

Address 11565 State Route 676 City Vincent State OH Zip 45784

Logging Company Weatherford International

Address 777 North River Avenue City Weston State WV Zip 26452

Cementing Company Baker Hughes

Address 2228 Philippi Pike City Clarksburg State WV Zip 26301

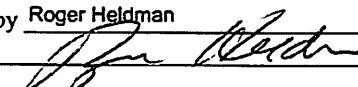
Stimulating Company Producers Service Corp.

Address 109 South Graham Street City Zanesville State OH Zip 43701

Please insert additional pages as applicable.

Completed by Roger Heldman

Telephone 304-420-1107

Signature  Title Operations manager Date 06/18/14

Submission of Hydraulic Fracturing Chemical Disclosure Information

Attach copy of FRACFOCUS Registry

3305750



	Notes	Amount	Unit
FLUID PUMP CHARGE 0-3000 PSI MIN CHARGE 4 HRS		1	EA
BLENDER CHARGE 0-10 BPM		1	EA
MILEAGE CHARGE PER UNIT ONE WAY	2 Units @ 70 Miles	140	MI
IC ACID 15%		300	GA
PRO HIB II		0.5	GA
ACID DELIVERY		2	HF
PRO CLA LOK (KCL SUBSTITUTE)		20	GA
PRO NE-21		10	GA
PRO GEL 4		250	LE
BUFFER I		50	LE
BUFFER II		50	LE
BIO CLEAR 750		1	LE
AP BREAKER		22	LE
BXL-A		15	GA
BXL-10C		15	GA
SAND 20/40 OTTAWA		200	CV
SAND DELIVERY / TON MILES		700	TMI
DATA VAN		1	STA

Customer Approval: _____

01/23/2015