

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

API 47-95-02151 County Tyler District Lincoln  
Quad Paden City Pad Name Wells Meckley Unit Field/Pool Name Middlebourne  
Farm name Velma L. Wells Well Number # 1401 MH  
Operator (as registered with the OOG) Triad Hunter, LLC  
Address 909 Lake Carolyn Pkwy #600 City Irving State Texas Zip 75039

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 380220.7 Easting 1567204.5  
Landing Point of Curve Northing 378810.5 Easting 1566136.2  
Bottom Hole Northing 1568154.1 Easting 373265.5

Elevation (ft) 985' 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)  
Synthetic Mud System

Date permit issued 5/21/2014 Date drilling commenced 12/9/2014 Date drilling ceased 12/19/2014 PH  
Date completion activities began 3/17/16 Date completion activities ceased 4/03/16  
Verbal plugging (Y/N) N 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 Surface - 300' Open mine(s) (Y/N) depths N/A  
Salt water depth(s) ft @ 1200' Void(s) encountered (Y/N) depths N/A  
Coal depth(s) ft 600' - 700' Cavern(s) encountered (Y/N) depths N/A  
Is coal being mined in area (Y/N) N

Reviewed by:

API 47-95 - 02151 Farm name Velma L. Wells Well number # 1401 MH

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	24"	20"	100'	New	J-55 94#	- 0 -	yes
Surface	17 1/2"	13 3/8"	420'	New	J-55 54.5#	- 0 -	12 bbl. cement returns
Coal							
Intermediate 1	12 1/4"	9 5/8"	2,883'	New	J-55 36#	- 0 -	25 bbl. cement returns
Intermediate 2							
Intermediate 3							
Production	8.75	5 1/2"	13124	New	P-110 20#	-0-	27 bbl. cement returns
Tubing							
Packer type and depth set							

Comment Details \_\_\_\_\_

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft <sup>3</sup> /sks)	Volume (ft <sup>3</sup> )	Cement Top (MD)	WOC (hrs)
Conductor	Class A	160	15.6	1.18	188.8	Surface	24+
Surface	HALCEM (Class A)	365	15.6	1.19	434.4	Surface	12+
Coal							
Intermediate 1	HALCEM (Class A)	1,080	15.6	1.19	1,285.2	Surface	24+
Intermediate 2							
Intermediate 3							
Production	Lead Class A/ FlexSEAL A/ Tail Class A	540/ 458/ 2030	13.5/ 15.3/ 15.2	1.44/ 1.27/ 1.18	777.6/ 581.66/ 2395.4	Surface	24+
Tubing							

Drillers TD (ft) TMD= 13126 MD= 6234 \_\_\_\_\_ Loggers TD (ft) \*no open hole logs \_\_\_\_\_  
 Deepest formation penetrated Marcellus Shale Plug back to (ft) N/A  
 Plug back procedure N/A

Kick off depth (ft) 4720

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 \_\_\_\_\_

Surface Casing 20" - 3 centralizers

Intermediate Casing 13 3/8"- 8 centralizers

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 47-095 - 02151 Farm name Velma L. Wells Well number # 1401 MH

PERFORATION RECORD

Stage No.	Perforation date	Perforated from MD ft.	Perforated to MD ft.	Number of Perforations	Formation(s)
(SEE	ATTACHED	SPREAD	SHEET)		

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)
		( SEE	ATTACHED	SPREAD	SHEET )			

Please insert additional pages as applicable.

API 47- 095 - 02151 Farm name Velma L. Wells Well number # 1401 MH

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

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                      Oil                      NGL                      Water                      GAS MEASURED BY

                    \_\_\_\_\_ mcfpd                      \_\_\_\_\_ bpd                      \_\_\_\_\_ bpd                      \_\_\_\_\_ bpd                       Estimated    Orifice    Pilot

<u>LITHOLOGY/ FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>DESCRIBE ROCK TYPE AND RECORD QUANTITY AND TYPE OF FLUID (FRESHWATER, BRINE, OIL, GAS, H<sub>2</sub>S, ETC)</u>
	<u>DEPTH IN FT NAME TVD</u>	<u>DEPTH IN FT TVD</u>	<u>DEPTH IN FT MD</u>	<u>DEPTH IN FT MD</u>	
<u>N/A</u>	<u>0</u>		<u>0</u>		

Please insert additional pages as applicable.

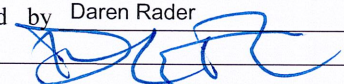
Drilling Contractor Alpha Hunter Rig 7  
Address 28407 State Route 7 City Marietta State Ohio Zip 45750

Logging Company N/A  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Cementing Company Halliburton Energy Services/ Schlumberger  
Address 4999 East Point Drive/ 4600 J Barry Court Suite 200 City Zanesville/ Canonsburg State Ohio/ PA Zip 43702/ 15317

Stimulating Company Producers Service Corp  
Address 109 Graham Street City Zanesville State Ohio Zip 43701

Please insert additional pages as applicable.

Completed by Daren Rader Telephone 740-760-0573  
Signature  Title Operations Manager Date 10/9/2017