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

API 47 - 017 - 06617 County Doddridge District New Milton  
Quad New Milton Pad Name Key Oil Field/Pool Name \_\_\_\_\_  
Farm name Shirley Plauger Well Number A.W. Robinson #3  
Operator (as registered with the OOG) Key Oil Company  
Address 22 Garton Plaza City Weston State WV Zip 26452

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 39.19313 Easting 80.72808  
Landing Point of Curve Northing N/A Easting N/A  
Bottom Hole Northing N/A Easting N/A

Elevation (ft) 1169 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)  
\_\_\_\_\_  
\_\_\_\_\_

Date permit issued 09/29/2014 Date drilling commenced 11/12/14 Date drilling ceased 11/21/2014  
Date completion activities began 12/05/14 Date completion activities ceased 12/08/14  
Verbal plugging (Y/N) N/A Date permission granted 11/21/14 Granted by Douglas Newlon

Please note: Operator is required to submit a plugging application within 5 days of verbal permission to plug

Freshwater depth(s) ft 110 Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1200 Void(s) encountered (Y/N) depths N  
Coal depth(s) ft N/A Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

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Reviewed by: \_\_\_\_\_

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API 47-017 - 06617 Farm name Shirley Plauger Well number A.W. Robinson #3

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	20"	13-3/8"	38	NEW	J-55	N/A	N
Surface							
Coal	N/A						
Intermediate 1	12-1/4"	9-5/8"	210	NEW	J-55		100 SKS. CTS (Y)
Intermediate 2	8-3/4"	7"	1350	NEW	J-55		200 SKS. CTS (Y)
Intermediate 3							
Production	6-1/2"	4-1/2"	2971	NEW	J-55		160 SKS. CBL POZ
Tubing							ETOC 900'
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	N/A	N/A	N/A	N/A	N/A	N/A	
Surface	CLASS A	100	15.6	1.13		CTS	8 HRS.
Coal							
Intermediate 1							
Intermediate 2	CLASS A	170	15.6	1.23		CTS	8 HRS.
Intermediate 3							
Production	CBL POZ	160	13.5	1.53		ETOC 900'	
Tubing							

Drillers TD (ft) 3011 Loggers TD (ft) 3008  
 Deepest formation penetrated GORDON 2820 Plug back to (ft) \_\_\_\_\_  
 Plug back procedure \_\_\_\_\_

Kick off depth (ft) N/A

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 \_\_\_\_\_

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
GORDON	2820 TVD MD
WEIR	2450
INJUN	2230
KEENER	2185

Please insert additional pages as applicable.

GAS TEST  Build up  Drawdown  Open Flow OIL TEST  Flow  Pump

SHUT-IN PRESSURE Surface 860 psi Bottom Hole 2064 psi DURATION OF TEST 48 hrs

OPEN FLOW Gas 518 mcfpd Oil 1 bpd NGL 0 bpd Water 0 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, H <sub>2</sub> S, ETC)
	0		0		
H2O	110	113	110	113	FRESH
SALT WATER	1200	1203	1200	1203	SALT WATER
LITTLE LIME	2070	2090	2070	2090	LIME (WHITE)
BLUE MONDAY	2090	2120	2090	2120	BLUE GRAY
BIG LIME	2130	2180	2130	2180	GRAY
KEENER	2180	2200	2180	2200	GRAY
INJUN	2200	2260	2200	2260	GRAY BROWN
SHALE	2260	2390	2260	2390	SAND & SHALE
WEIR	2390	2480	2390	2480	GRAY
SHALE	2480	2590	2480	2590	SAND & SHALE
GANTZ	2590	2610	2590	2610	BROWN
SHALE	2610	2810	2610	2810	SHALE
GORDON	2810	2820	2810	2820	GRAY BROWN

Please insert additional pages as applicable.

Drilling Contractor NEXUS DRILLING  
Address INDUSTRIAL PARK City JANE LEW State WV Zip 26378

Logging Company NABORS  
Address 82 OLD ELKINS ROAD City BUCKHANNON State WV Zip 26201

Cementing Company UNIVERSAL WELL SERVICE  
Address 5 HALL RUN ROAD City BUCKHANNON State WV Zip 26201

Stimulating Company UNIVERSAL WELL SERVICE  
Address 5 HALL RUN ROAD City BUCKHANNON State WV Zip 26201

Please insert additional pages as applicable.

Completed by JAN CHAPMAN Telephone (304) 269-7102  
Signature *JAN CHAPMAN* Title PRESIDENT Date 12/22/14

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WR-35  
Rev. 8/23/13

API 47- 017 - 06617

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PRODUCING FORMATION(S)

DEPTHS

BLUE MONDAY  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2110 TVD \_\_\_\_\_ MD  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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