

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

API 47-059-02230 County MINGO District HARDEE  
Quad NAUGATUCK Pad Name \_\_\_\_\_ Field/Pool Name \_\_\_\_\_  
Farm name KIRK, ZELLA D Well Number 2267  
Operator (as registered with the OOG) QUALITY NATURAL GAS, LLC  
Address PO BOX 480 City ALLEN State KY Zip 41601

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

Elevation (ft) 1049.9 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 2/22/2012 Date drilling commenced 6/03/2013 Date drilling ceased 6/07/2013  
Date completion activities began 9/09/2013 Date completion activities ceased 9/12/2013??  
Verbal plugging (Y/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 None Encountered Open mine(s) (Y/N) depths \_\_\_\_\_  
Salt water depth(s) ft 1,250 Void(s) encountered (Y/N) depths \_\_\_\_\_  
Coal depth(s) ft None Encountered Cavern(s) encountered (Y/N) depths \_\_\_\_\_  
Is coal being mined in area (Y/N) NO

RECEIVED  
Office of Oil and Gas  
JAN 14 2014  
WV Department of  
Environmental Protection  
Reviewed by  
03/07/2014



WELL #2267

API#47-5902230

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)
	0	32			
SAND	32	90			
SAND/SHALE	90	150			
SAND	150	210			
SAND/SHALE	210	300			
SAND	300	330			
SAND/SHALE	330	450			
SAND	450	510			
SAND/SHALE	510	780			
SAND	780	830			
SAND/SHALE	830	870			
SAND	870	900			
SAND/SHALE	900	1110			
SAND	1110	1305			
SAND/SHALE	1305	1350			1-1 1/2" WATER @ 1,250'
SAND	1350	1500			
SAND/SHALE	1500	1530			
SAND	1530	1590			
SAND/SHALE	1590	1620			
SAND	1620	1770			
SAND/SHALE	1770	1822			
RED ROCK	1822	1830			
RR/SLATE/LIME	1830	1875			
SAND/SLATE/LIME	1875	1945			
LITTLE LIME	1945	1995			
BIG LIME	1995	2185			
INJUN	2185	2240			
WEIR	2240	2520			
GRAY SHALE	2520	2745			
COFFEE SHALE	2745	2795			
BEREA	2795	2865			
BROWN SHALE	2865	2950			
GRAY SHALE	2950	3575			
BROWN SHALE	3575	3705			
GRAY SHALE	3705	3713			
BROWN SHALE	3713	3820			
WHITE SHALE	3820	3930			
					RECEIVED
					Office of Oil and Gas
					JAN 14 2014

WV Department of  
Environmental Protection

03/07/2014