

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

API 47-059-1874 County MINGO District MAGNOLIA  
Quad MAJESTIC Pad Name \_\_\_\_\_ Field/Pool Name \_\_\_\_\_  
Farm name PRATER, DONALD & DARLENE Well Number 1731  
Operator (as registered with the OOG) QUALITY NATURAL GAS, LLC  
Address P.O. 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) 882' 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 10/24/2007 Date drilling commenced 9/10/2009 Date drilling ceased 9/16/2009  
Date completion activities began 6/23/2015 Date completion activities ceased 6/24/2015  
Verbal plugging (Y/N) N Date permission granted \_\_\_\_\_ Granted by RECEIVED

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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 610' Void(s) encountered (Y/N) depths N  
Coal depth(s) ft N Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

**APPROVED**

Reviewed by: [Signature]  
NAME: \_\_\_\_\_  
DATE: 5-31-2016

07/15/2016  
AX 07/15/16

API 47-059 - 1874 Farm name PRATER, DONALD & DARLENE Well number 1731

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	17 1/2"	13 3/8"	88'	New	LS		
Surface	12 1/4"	9 5/8"	386'	New	LS	353.9', 64.2'	YES, 2 bbls
Coal							
Intermediate 1	8 7/8"	7"	2121'	New	LS	NONE	YES, 17 bbls
Intermediate 2							
Intermediate 3							
Production	6 3/8"	4 1/2"	4702'	New	L-65	NONE	500' UP INSIDE 7" CASING
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						
Surface	Class A	200	15.5	1.18	236	Surface	8
Coal							
Intermediate 1	Class A	100, 200	15.6, 12.3	1.18, 1.84	118, 368	Surface	8
Intermediate 2							
Intermediate 3							
Production	Class A	165	13.6	1.90	313.5	500' up in 7"	8
Tubing							

Drillers TD (ft) 4750 Loggers TD (ft) 4759  
 Deepest formation penetrated HARRELL 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  
For drilling purposes only.

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING 4576.60, 4451.20, 4325.80, 4200.40  
4075, 3949.60, 3824.2, 3698.8, 3573.4, 3448, 3322.60 and 3197.20

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 \_\_\_\_\_





WELL #1731

API#47-5901874

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)
SAND/SLATE	0	142			
SAND	142	195			
SAND/SLATE	195	232			
SAND	232	250			
SAND/SLATE	250	430			
SAND	430	537			
SAND/SLATE	537	553			
SAND	553	660			
SLATE	660	724			
SAND	724	892			
SAND/SLATE	892	930			
SAND	930	982			
SAND/SLATE	982	1040			
SAND	1040	1388			
SAND/SLATE	1388	1404			
SAND	1404	1470			
SAND/SLATE	1470	1644			
RED ROCK	1644	1690			
SAND	1690	1870			
SAND/SLATE	1870	1930			
SAND	1930	2050			
SAND/SLATE	2050	2070			
SAND/FALSE LIME	2070	2080			
SAND/SLATE	2080	2110			
DARK LIME	2110	2158			
BIG LIME	2158	2390			
INJUN	2390	2420			
WEIR	2420	2424			
INJUN	2424	2490			
WEIR	2490	2690			
SHALE	2690	3018			

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