

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

pm

API 47 - 015 - 02892 County Clay District Union  
Quad Elkhurst Pad Name \_\_\_\_\_ Field/Pool Name Rouzer  
Farm name Bettie Bell Well Number 7  
Operator (as registered with the OOG) Rouzer Oil Company  
Address P. O. Box 987 City Spencer State WV Zip 25276

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey  
Top hole Northing 4,256,312.078 Easting 482,398.776  
Landing Point of Curve Northing N/A Easting N/A  
Bottom Hole Northing N/A Easting N/A

Elevation (ft) 1105 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) \_\_\_\_\_

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OCT 02 2014

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Environmental Protection

Date permit issued 9/5/2013 Date drilling commenced 5/18/2014 Date drilling ceased 5/21/2014  
Date completion activities began 6/19/2014 Date completion activities ceased 6/23/2014  
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 Not determined Open mine(s) (Y/N) depths N  
Salt water depth(s) ft 1200 Void(s) encountered (Y/N) depths N  
Coal depth(s) ft 130 & 157 Cavern(s) encountered (Y/N) depths N  
Is coal being mined in area (Y/N) N

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

10/31/2014

API 47- 015 - 02892 Farm name Bettie Bell Well number 7

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		13"	10'	New			
Surface	12.25"	9-5/8"	378'	New	26 lb.	None	Y
Coal							
Intermediate 1	8.75"	7"	1,561'	New	17 lb.	None	Y
Intermediate 2							
Intermediate 3							
Production	6.5"	4.5"	2,110'	New	10.5 lb.	None	
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							
Surface	Type 1	145	15.6	1.18	171.1	Surface	8
Coal							
Intermediate 1	Type 1	225	14.8	1.4	315	Surface	8
Intermediate 2							
Intermediate 3							
Production	50/50 Poz Cement	65	14.2	1.29	83.9	1,484'	
Tubing							

Drillers TD (ft) 2,150 Loggers TD (ft) 2,148  
 Deepest formation penetrated Big Injun Sand 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

DESCRIBE THE CENTRALIZER PLACEMENT USED FOR EACH CASING STRING   Centralizer placed at each bottom four collars of 4.5" 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 \_\_\_\_\_





15-02892

GEOLOGICAL RECORD OF BELL NO. 7

<u>Formation</u>	<u>Depth (ft.)</u>	
Shale & sand	0 - 50	
Shale	50 - 130	
Coal	130 - 135	
Shale	135 - 157	
Coal	157 - 162	
Shale	162 - 230	
Sand	230 - 260	
Shale	260 - 290	
Sand	290 - 320	
Shale	320 - 710	
Sand	710 - 770	
Shale	770 - 980	
Sand	980 - 1080	
Shale	1080 - 1130	
Sand	1130 - 1160	
Shale	1160 - 1170	
Salt Sand	1170 - 1500	Water 1200
Shale	1500 - 1680	
Maxon Sand	1680 - 1800	
Shale	1800 - 1810	
Blue Monday	1810 - 1820	
Big Lime	1820 - 1930	
Keener Sand	1930 - 1960	
Big Injun Sand	1960 - 2010	
Red Rock	2010 - 2148	