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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 47-085-10077 County Ritchie District Murphy
Quad Burnt House 7.5' Pad Name Wilson Field/Pool Name Burnt House
Farm name G. W. Conrad Well Number S-542-8
Operator (as registered with the OOG) Stalnaker Energy Corporation
Address 220 West Main St. City Glennville State WV Zip 26351

As Drilled location NAD 83/UTM Attach an as-drilled plat, profile view, and deviation survey
Top hole Northing 4,321,957 Easting 504,924
Landing Point of Curve Northing _____ Easting _____
Bottom Hole Northing _____ Easting _____

Elevation (ft) 1,059' 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 11/13/2013 Date drilling commenced 3/24/14 Date drilling ceased 4/13/14
Date completion activities began 4/30/2014 Date completion activities ceased 4/30/2014
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 55' Open mine(s) (Y/N) depths _____
Salt water depth(s) ft None Void(s) encountered (Y/N) depths None
Coal depth(s) ft None Cavern(s) encountered (Y/N) depths _____
Is coal being mined in area (Y/N) No

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Reviewed by:

06/13/2014

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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"	16"	20'	New	55#	None	Sand In
Surface	15"	11 3/4"	294'	New	42#	None	Yes
Coal							
Intermediate 1	11"	8 5/8"	2567'	New	32#	2567'	Yes
Intermediate 2							
Intermediate 3							
Production	7 7/8"	4 1/2"	4719'	New	11.6#	4677'	No
Tubing							
Packer type and depth set							

Comment Details _____

CEMENT DATA	Class/Type of Cement	Number of Sacks	Slurry wt (ppg)	Yield (ft ³ /sks)	Volume (ft ³)	Cement Top (MD)	WOC (hrs)
Conductor	Sand In						
Surface	Class A	130	14.8	1.4	182	Surface	12
Coal							
Intermediate 1	Light Class A/Class A	325/150	12.7/14.8	1.8/1.4	795	Surface	12
Intermediate 2							
Intermediate 3							
Production	50/50 POZ	500	14.6	1.31	655	1844'	Minimum 72
Tubing							

Drillers TD (ft) 6361' Loggers TD (ft) 6363

Deepest formation penetrated Alexander Plug back to (ft) 4719

Plug back procedure 6% gel with 1/4# cello flake was used to fill all open hole.

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 None on the surface. One near the bottom of the 8 5/8".
Ten total on the 4 1/2" string starting with one on the first joint then one every 200 feet up.

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

<u>Warren</u>	<u>3261'-3332'</u> TVD	<u>3261'-3332'</u> MD
<u>Speechly</u>	<u>3344'-3623'</u>	<u>3344'-3623'</u>
<u>Balltown</u>	<u>3676'-4459'</u>	<u>3676'-4459'</u>
<u>Riley</u>	<u>4545'-4719'</u>	<u>4545'-4719'</u>

Please insert additional pages as applicable.

GAS TEST Build up Drawdown Open Flow OIL TEST Flow Pump

SHUT-IN PRESSURE Surface 900 psi Bottom Hole 900 psi DURATION OF TEST 24 hrs

OPEN FLOW Gas 1,800 mcfpd Oil Show 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 ₂ S, ETC)
	<u>0</u>		<u>0</u>		Extra Page Attached

Please insert additional pages as applicable.

Drilling Contractor Waco Oil and Gas
Address 1595 US HWY 33 E City Glenville State WV Zip 26351

Logging Company Weatherford International
Address 777 North River Avenue City Weston State WV Zip 26452

Cementing Company Universal Well Services
Address Route 5 Haul Road City Buckhannon State WV Zip 26201

Stimulating Company Nabors Completion and Production Services
Address Route 119 N City Black Lick State PA Zip 15705

Please insert additional pages as applicable.

Completed by Jason M. Miller
Signature Jason M. Miller Title Engineer

Telephone 304-462-5701 Date 6/3/2014

Submittal of Hydraulic Fracturing Chemical Disclosure Information

Attach copy of FRACFOCUS Registry

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		<u>WELL LOG</u>
Sand & Shale	0	50
Sand	50	114
Red Rock & Shale	114	172
Sand & Shale	172	426
Red Rock & Shale & Sand	426	1153
Sand & Shale	1153	1276
Shale	1276	1308
Sand & Shale	1308	1584
Sand	1584	1653
Sand & Shale	1653	1848
Sand	1848	1862
Sand & Shale	1862	1908
Little Lime	1908	1929
Sand & Shale	1929	1944
Big Lime	1944	1987
Big Injun	1987	2050
Shale	2050	2256
Weir	2256	2346
Shale	2346	2368
Berea	2368	2384
Shale	2384	2586
Elizabeth	2586	2924
Shale & Siltstone	2924	3242
Warren	3242	3335
Shale	3335	3342
Speechley	3342	3613
Shale	3613	3666
Balltown	3666	4070
Shale	4070	4334
Riley	4334	4685
Shale	4685	4744
Benson	4744	4750
Shale	4750	4869
Alexander	4869	5032
Shale	5032	5400
Elk	5400	5418
Shale	5418	6361
TD	6361	

Damp @ 50'

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