## STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

#### AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

OCATION: Elevation District Central County. District Letitude See WW-7 Feet South of Oeg Min. Sec. Longitude See WW-7 Feet West of Deg Min. Sec.  Longitude See WW-7 Feet West of Deg Min. Sec.  Well Type Oil. GAS X  Company Antero Resources Corporation 1815 Wyrkoop Sizeet Denver CO 80202 Coal Operator Denver CO 80202 Coal Operator Denver CO 80202 Agent Dama Stamper of Corporation System of Owner Permit Issued Date Sec. Sec. Denver CO 80202 Total Operator Appent Dama Stamper of Corporation System of Owner Permit Issued Date Sec. Denver CO 80202 Agent Dama Stamper of Corporation System of Owner Permit Issued Date Sec. Denver CO 80202 Agent Dama Stamper of Corporation System of Owner Permit Issued Date Sec. Denver CO 80202 Agent Dama Stamper of Corporation System of Owner Permit Issued Date Sec. Denver CO 80202 Agent Dama Stamper of Corporation System of Owner Permit Issued Date Sec. Denver CO 80202 Agent Dama Stamper of Corporation System Sec. Denver CO 80202 Agent Dama Stamper of Corporation System Sec. Denver CO 80202 Agent Dama Stamper of Corporation System Sec. Denver CO 80202 Agent Dama Stamper of Corporation System Sec. Denver CO 80202 Agent Dama Stamper of Corporation System Sec. Denver CO 80202 Agent Dama Stamper of Corporation System Sec. Denver CO 80202 Agent Dama Stamper of Corporation System Sec. Denver CO 80202 Agent Dama Stamper of Corporation System Sec. Denver CO 80202 Agent Dama Stamper of Corporation System Sec. Denver CO 80202 Agent Dama Stamper of Corporation System Sec. Denver CO 80202 Agent Dama Stamper of Corporation System Sec. Denver CO 80202 Agent Dama Stamper of Corporation System Sec. Denver CO 80202 Agent Dama Stamper of Corporation System Sec. Denver CO 80202 Agent Dama Stamper of Corporation System Sec. Denver CO 80202 Agent Dama Stamper of Corporation System Sec. Denver CO 80202 Agent Dama Stamper of Corporation Sec. Denver CO 80202 Agent Dama Stamper of Corporation Sec. Denver CO 80202 Agent Dama Stamper of Corporation Sec. Denver CO 80202 Agent Dama Stamper of Corporation Sec. Den	arm name:	Williams	s, Donna &	Paul	_Operator Well	No. Pre-29 \	Vell	
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Latitude "See WW-7 Feet South of Deg Min Sec. Longitude "See WW-7 Feet West of Deg Min Sec.  Vell Type OIL GAS _X  Company: Antero Resources Corporation	LOCATION.	District Central			County.	Doddridge		
Antero Resources Corporation Coal Operator of Owner    Total Permit Issued Date					Deg	Min	Sec.	
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1815 Wynkoop Street Denver, CO 80262  Coal Operator Coal Operator Denver, CO 80262  Coal Operator Of Owner Permit Issued Date 5/19/2015  AFFIDAVIT  STATE OF WEST VIRGINIA ounty of Decenge ss  BCA LOPH MUSC and Landon West being first duly sworn according to law de and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above noted of a day of August 20:5, and the well was plugged and filled in the following manner.  TYPE FROM TO PIPE REMOVED LEFT  Description of monument Marker as outlined in CSR 34-5-5b with APIB and that the work of plugging and filling the above and subscribe before me this day of August 20:15.  And further deponents saith not SW 34-5-5b with APIB and that the work of plugging and filling the above and the said well was completed on the 3 day of August 20:15.  And further deponents saith not SW 34-5-5b with APIB and that the work of plugging and filling the above and that the work of plugging and filling the above well say that said were employed by the above not a said were employed by the above not as an and that the work of plugging and filling the above well say that said were employed by the short was an and that the work of plugging and filling the above well say that said were employed by the short was an and that the work of plugging and filling the above well say that said were employed by the short was an and that the work of plugging and filling the above well say that said were employed by the short was an and that the work of plugging and filling the above well say that said were employed by the short was an and that the work of plugging and filling the above well say that said were employed by the short was an and that the work of plugging and filling the above well say that said were employed by the above has a say work was commenced to the say well sand were employed by the above has a say work was commenced to the say well sand were employed by the above has a say work was commenced to the say well sand were employed b	Vell Type	OIL	_ GAS X	-				
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### STATE OF WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION OFFICE OF OIL AND GAS

#### AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

Farm name:	Williams	, Donna & F	Paul	Operator Well	No. Pre-29 W	/ell
LOCATION:	Elevation	891'			Oxford 7.5'	
200111	District	Central			Doddridge	
					Min	Sec.
					Min	
			-			
Well Type	OIL	GAS X				
Company	Antero R	esources Corp	oration Coal Op	crator NO DE	CLARATIONS ON F	RECORD WITH COUNTY
	1615 Wynkoop Street or Owne			er		
	Denver, Co	3 80202				
			Coal O			
Agent	_		or Owne	er		
Permit Issu	ed Date	5/19/2015		_		
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County of Dod		_ ss				
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TYPE		ROM	то	PIPE RE		e following manner.  LEFT
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Sworn and	subscribe l	before me this	day of	ALD!	20	CECONO (D) PORCE STORE
My commission	on expires	444			lotary Public	SEP 0 1 2015
Transport to the second						
Affidavit revie	wed by the	Office of Oil and	Gas:			Environmental P
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						Environmental Protection 09/04
						U9/U4



Antero Resources 1615 Wynkoop St. Denver, CO 80202 Office: 303.357.7310 Fax: 303.357.7315

Objective: Enter wellbore to enable proper plugging

Pipe Schedule: Unknown

 Wooden stave casing observed at surface, but set to unknown depth

#### Procedure: To date

- Set 20" conductor to 8' on outside of wooden stave casing to prevent collapse of wellbore after surface cement plug was removed
- 2. Removed 18.5" diameter 1' long cement plug, wellbore full of water directly beneath plug
- 3. Ran 1-1/8" sinker bar, hit a bridge at 10' 8"
- Attempted to remove water down to bridge with vac truck, but high surface water flow beneath the 20" conductor setting depth prevented truck from clearing wellbore
- Ran wireline camera down to bridge, but could not get a quality picture because turbid wellbore conditions from continued surface water infiltration
- 6. Move in and rig up rig
- 7. Extend conductor casing to surface
- 8. Run in hole with 4 3/4" bit
- 9. Drill to 158' Hit bridge @ 64' and broke circulation
- 10. Mix 6% gel to establish full circulation per inspector
- 11. Run in hole to 315' hole started sloughing off
- 12. Pull out of hole with tubing and BHA.
- 13. Run in hole with 7" casing tagged at 10'
  - a. Fish out rock at 10'
- 14. Run back in hole with 7" casing tagged at 148'
- 15. Attempt to wash casing down couldn't wash casing down.
- 16. Pull out of hole with 7" casing.
- 17. Run in hole with 8 3/4" bit tagged at 148'
- 18. Start drilling and drill to 319'
- 19. Pull out of hole
- 20. Run in hole with 7" casing to 295' per inspector.
- 21. Pump 38 bbls of Class A, 15.6 ppg, cement per inspector.
- 22. Remove top of 16" conductor (TOC @ surface)
- 23. Run in hole with 6 1/4" bit tagged at 190'.
- 24. Pull out of hole.
- 25. Run in hole with 6 1/4" bit, drill collars, and tubing.
- 26. Tag at 190' and start drilling.
- 27. Drilled to 252'
- 28. Circulate cuttings out of hole and misx 6% gel.
- 29. Drilled to 503'.
- 30. Pull out of hole for a bit trip.
- 31. Mix 6% gel and run in hole with 4 5/8" bit and tubing.
- 32. Drill to 515' unable to get down.
- 33. Pull out of hole
- 34. Run in hole with 5 1/2" wavy bottom collar 17 lb. casing tagged at 287'.
- 35. Rig up swivel and wash down to 448'.
- 36. Mill down to 512'.
- 37. Well caved in pull out 20' to 492'
- 38. Bring up weight of fluid and wash back down to 512' hang off at 512'.
- 39. Run in hole with 4 5/8" baker bit and 2 3/8" tubing.
- 40. Start drilling at 512'
- 41. Lost circulation at 516' Pull out of hole
- 42. Run in hole to 500' circulate down to 510'
- 43. Pump 48 sks Class A 15.6 ppg from 510' to 350'.
- 44. Pull out of hole
- 45. Run in hole and tag cement at 446' pull out of hole.
- 46. Run in hole with 6 1/4" bit
- 47. Drill to 564' sticky hole

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WV Department of Environmental (09/04/2015

- 48. Pull out of hole
- 49. Run in hole with 2 3/8" tubing tagged at 560'
- 50. Wash down to 575'
- 51. Rig up and pump 40 sks of cememt
- 52. Tag top of cemen at 490'. Pull out of hole.
- 53. Run in hole with 6 1/4" bit to drill out cement plug.
- 54. Cement drilled out at 575'
- 55. Mix gel to get viscosity to 100.
- 56. Drill to 583'
- 57. TD well at 588' pull out of hole
- 58. Run in hole with tubing to 585'.
- 59. Pump 55 sks of cement. Pull out of hole
- 60. Tagged TOC at 412'
- 61. Pull up 10 ft and pump 120 sks of cement to surface.
- 62. Leave 10 ft. gel spacer per inspector
- 63. Tagged cement at 18'
- 64. Fill hole to surface with cement and place a marker on well

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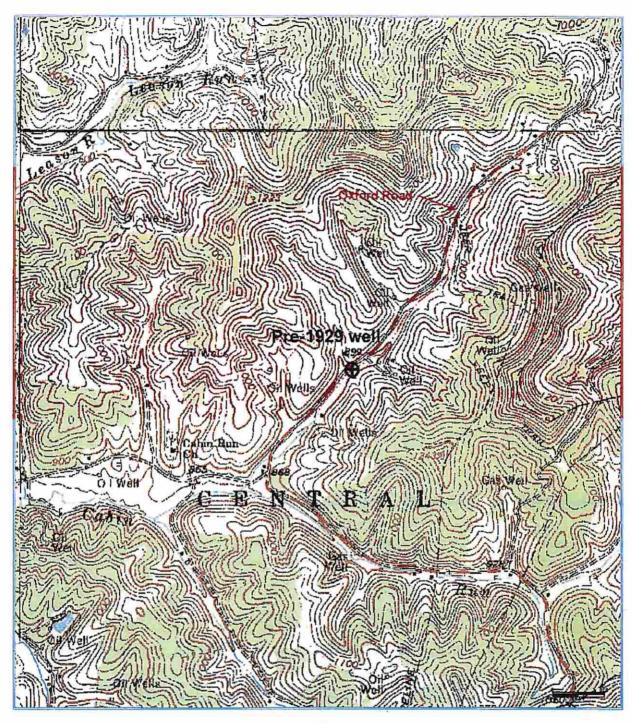
SEP 01 2015

WW Department of Environmental Protection



## West Virginia Department of Environmental Protection Office of Oil and Gas

WELL	LUCATION FORM: GI	S
API: 47-017-7304800	) WELL NO.	Pre 29 Well
FARM NAME: Williams,	Donna & Paul	
RESPONSIBLE PARTY NAM	<sub>Œ:</sub> Antero Resources	Corporation
COUNTY: Doddridge	DISTRICT: C	
QUADRANGLE: Oxford	7.5'	
	a L. & Paul Williams	
ROYALTY OWNER: Donr	na Williams, et vir	
UTM GPS NORTHING: 434	3420.52	
UTM GPS EASTING: 5123	78.52 GPS ELEVA	TION: 891'
the following requirements:  1. Datum: NAD 1983, Z height above mean se 2. Accuracy to Datum – 3. Data Collection Meth		
	d-Time Differential	
	Post Processed Differential	
	Real-Time Differential	
the undersigned, hereby certify	the topography map showing the this data is correct to the best of m ion required by law and the regulated Gas.	y knowledge and
While Stelle	Permitting Supervisor	3/17/2015
Signature	Title	Environmental Protection



# Antero Resources Corporation Appalachian Basin RECEIVED Pre-1929 Office of Oil ard Gas Doddridge County Quadrangle: Oxford Watershed: Cabin Run District: Central Date: 3-13-2015 WV Department of Environmental Protection