

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 & Paul Operator Well No. Pre-29 Well
 LOCATION: Elevation: 891' Quadrangle: Oxford 7.5'
 District: Central County: Doddridge
 Latitude: *see WW-7 Feet South of _____ Deg _____ Min. _____ Sec.
 Longitude *see WW-7 Feet West of _____ Deg _____ Min. _____ Sec

Well Type: OIL _____ GAS X

Company: Antero Resources Corporation Coal Operator NO DECLARATIONS ON RECORD WITH COUNTY
1615 Wynkoop Street or Owner _____
Denver, CO 80202 _____
 Agent Dianna Stamper - CT Corporation System Coal Operator _____
 Permit Issued Date 5/19/2015 or Owner _____

AFFIDAVIT

STATE OF WEST VIRGINIA
County of Doddridge ss

Ben Lofthouse and Landon West being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by the above named well operator, and participated in the work of plugging and filling the above well say that said work was commenced on the 3 day of August, 2015, and the well was plugged and filled in the following manner.

TYPE	FROM	TO	PIPE REMOVED	LEFT
*Please see attachment				

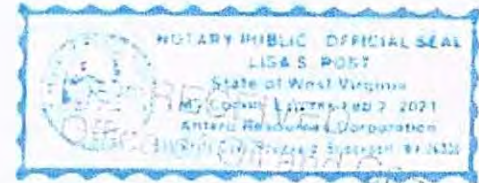
Description of monument Marker as outlined in CSR 34-5.5b with API# and that the work of plugging and filling said well was completed on the 3 day of August, 2015.

And further deponents saith not [Signatures]

Sworn and subscriba before me this 3rd day of August, 2015

My commission expires 2/2/21

Notary Public



Affidavit reviewed by the Office of Oil and Gas: Douglas Newlon Title: Oil & Gas Inspector

583' to 588' Line 57 & 58 of attachment Rig was drilling hand Gray sandy material Determined to be New Hole.

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Notary Public



SEP 01 2015

Affidavit reviewed by the Office of Oil and Gas: _____

Title: WV Department of Environmental Protection

09/04/2015

Pre '29 Well
Doddridge County, WV
API #73048



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

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

Procedure: To date

1. 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"
4. 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
5. 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 mix 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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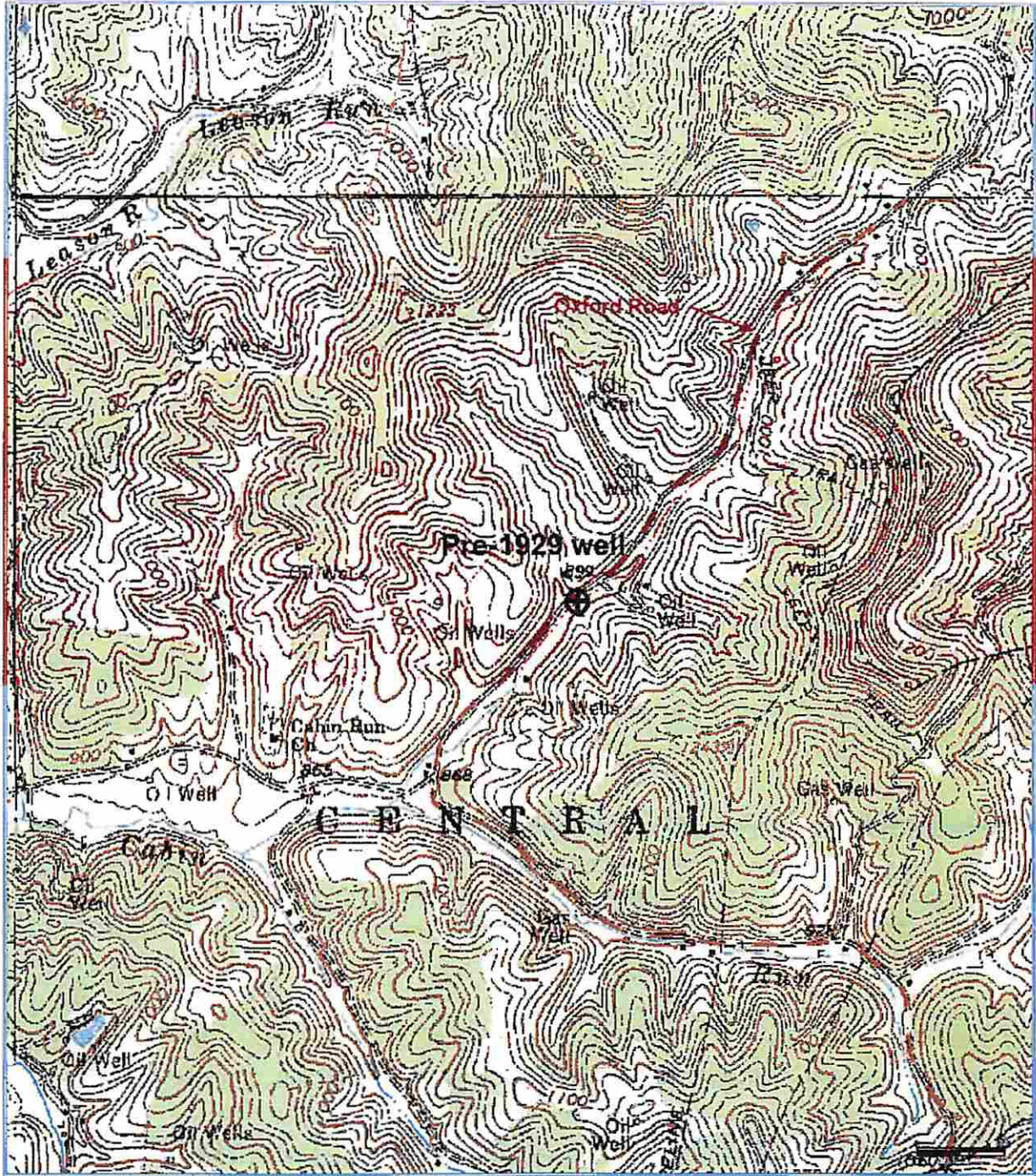
48. Pull out of hole
49. Run in hole with 2 3/8" tubing – tagged at 560'
50. Wash down to 575'
51. Rig up and pump 40 sks of cement
52. Tag top of cemen at 490'. Pull out of hole.
53. Run in hole with 6 1/4" bit to drill out cement plug.
54. Cement drilled out at 575'
55. Mix gel to get viscosity to 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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09/04/2015



Antero Resources Corporation
 Appalachian Basin
 Pre-1929
 Doddridge County

Quadrangle: Oxford
 Watershed: Cabin Run
 District: Central
 Date: 3-13-2015

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