

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: Pocahontas Land Company Operator Well No.: 11770

LOCATION: Elevation: 2786 feet Quadrangle: Crumpler
District: Elkhorn County: McDowell
Latitude: 11,180 Feet South of 37 Deg. 25 Min. 00 Sec.
Longitude: 6,860 Feet West of 81 Deg. 20 Min. 30 Sec.

Well Type: OIL _____ GAS X

Company CNX Gas Company LLC Coal Operator Pardee Minerals LLC
627 Claypool Hill Mall Road or Owner 1717 Arch Street Suite 4010
Cedar Bluff, VA 24609 Philadelphia, PA 19103-2739
Agent Anthony Kendziora Coal Operator _____
Permit Issued Date 090514 or Owner _____

AFFIDAVIT

STATE OF ~~WEST~~ VIRGINIA,
County of Tazewell ss:

Jason Riley and Russell Necessary 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 14th day of October, 2014, and the well was plugged and filled in the following manner:

TYPE	FROM	TO	PIPE REMOVED	LEFT
20" steel	0 ft	20 ft		20 ft
8 5/8" steel	0 ft	1328 ft		1328 ft
3 1/2" steel	0 ft	1368 ft	1368 ft	
3 1/2" steel	1368 ft	4876 ft		3508 ft
class A cement	0 ft	1730 ft		
6% gel spacer	1730 ft	1830 ft		
hole obstructed		1930 ft		

Description of monument: 4 1/2" x 4 ft steel monument with description and that the work of plugging and filling said well was completed on the 24th day of October, 2014.

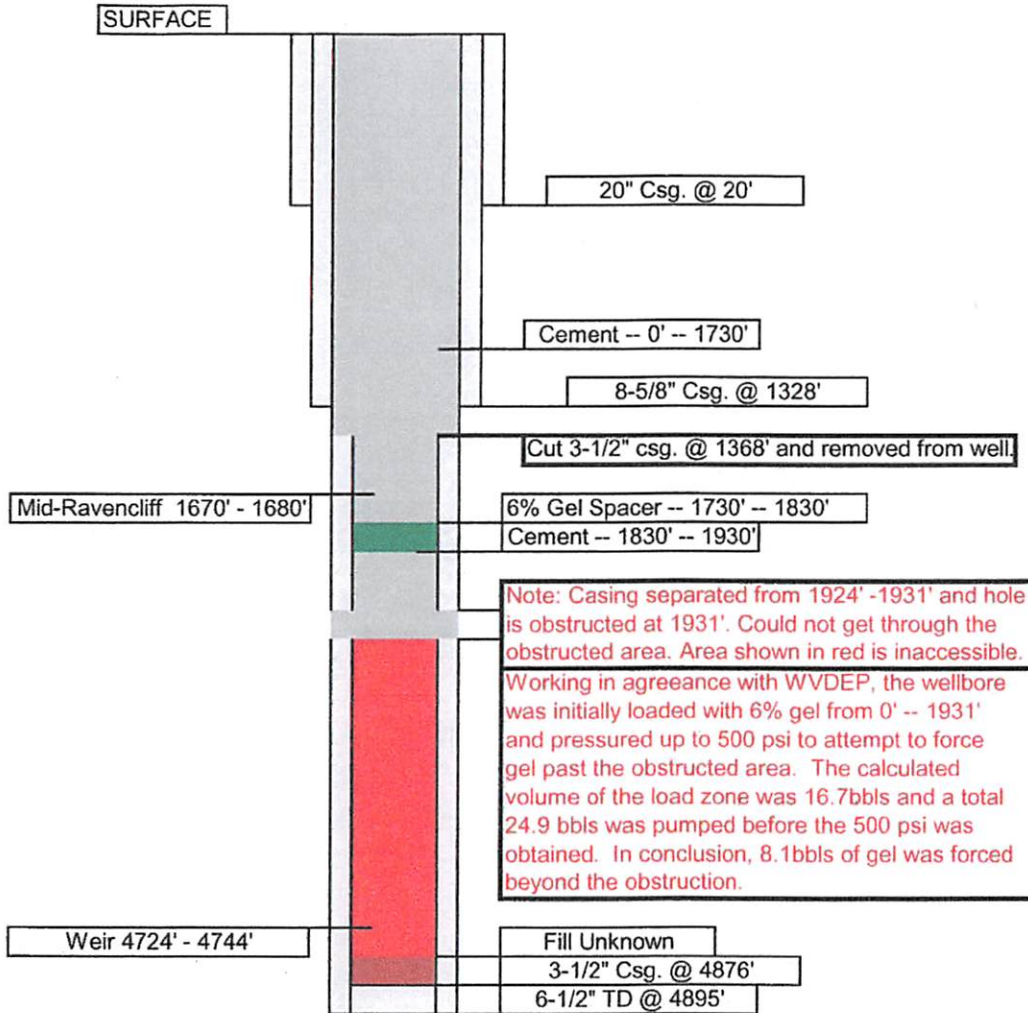
And further deponents saith not. Jason Riley
Russell Necessary

Sworn and subscribed before me this 25th day of January, 2016
NOTARY PUBLIC
My commission expires _____
Reg. # 7502381
My Commission Expires June 30, 2019
Ben J. White
Notary Public

Affidavit reviewed by the Office of Oil and Gas: Greg Kennedy Title: Inspector 02/26/2016

11770 PLUGGING AND ABANDONMENT

Plugged 10/14-24/2014



Note: Casing separated from 1924' -1931' and hole is obstructed at 1931'. Could not get through the obstructed area. Area shown in red is inaccessible. Working in agreement with WVDEP, the wellbore was initially loaded with 6% gel from 0' -- 1931' and pressured up to 500 psi to attempt to force gel past the obstructed area. The calculated volume of the load zone was 16.7bbbls and a total 24.9 bbbls was pumped before the 500 psi was obtained. In conclusion, 8.1bbbls of gel was forced beyond the obstruction.

Cement Used
 810 sks. Class A 3% CaCl
 1.18 yield

11770 PTA Plugged 10/14-24/2014 API# 47-047-00635

FILL - 4876' - Unknown
 CEMENT - 1930' - 1830'
 6% GEL - 1830' - 1730'
 CEMENT - 1730' - 0'

MONUMENT ERECTED
 4-1/2" x 4' STEEL