



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Tuesday, December 13, 2022
PERMIT MODIFICATION APPROVAL
Horizontal 6A / Plugging

EQT PRODUCTION COMPANY
625 LIBERTY AVE., SUITE 1700

PITTSBURGH, PA 15222

Re: Permit Modification Approval for JONES 2H
47-049-02184-00-00

Cement Variance

EQT PRODUCTION COMPANY

The Office of Oil and Gas has reviewed the attached permit modification for the above referenced permit. The attached modification has been approved and well work may begin. Please be reminded that the oil and gas inspector is to be notified twenty-four (24) hours before permitted well work is commenced.

If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin
Chief

Operator's Well Number: JONES 2H
Farm Name: JONES, ROBERT
U.S. WELL NUMBER: 47-049-02184-00-00
Horizontal 6A Plugging
Date Modification Issued: 12/13/2022

Promoting a healthy environment.

12/16/2022



EQT PRODUCTION COMPANY
400 Woodcliff Drive | Canonsburg, PA 15317

October 18, 2022

Mr. Taylor Brewer
West Virginia Department of Environmental Protection
Office of Oil and Gas
601 57th Street SE
Charleston, WV 25304

Re: Class L Cement Variance Request
Jones 2H Well
Permit Number 47-049-02184
Mannington District, Marion County

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Office of Oil and Gas

OCT 27 2022

WV Department of
Environmental Protection

Dear Mr. Brewer,

EQT Production Company (EQT) has been notified by our cement providers that they will no longer be providing Class A cement. As a result of this, EQT is requesting the option to utilize Class L cement, if necessary, in place of Class A cement for its cement jobs.

The variance request from Legislative Rule 35CSR4 Section 11.5, related to the use of Class L Cement, was approved by the Office of Oil and Gas on September 13, 2022. A copy of the variance is included with this request.

If you have any questions, please do not hesitate to contact me at 724-746-9073.

Sincerely,

A handwritten signature in blue ink, appearing to read 'J. Zavatchan'.

John Zavatchan
Project Specialist - Permitting

Enc.

12/16/2022



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
Phone (304) 926-0450

Harold D. Ward, Cabinet Secretary
dep.wv.gov

**BEFORE THE OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATE OF WEST VIRGINIA**

**IN THE MATTER OF A VARIANCE FROM)
LEGISLATIVE RULE 35CSR4)
SECTION 14.1. AND LEGISLATIVE RULE)
35CSR8 SECTION 20.1,)
RELATING TO THE CEMENTING)
OF OIL AND GAS WELLS)**

ORDER NO. 2022-13

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REPORT OF THE OFFICE

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well plugging.

FINDINGS OF FACT

1. On July 28, 2022, Diversified Gas & Oil Co. (DGO) submitted a variance request from Legislative Rule 35CSR4 for the use of API Class L cement in place of API Class A cement, relating to the plugging of conventional wells.
2. Laboratory analysis submitted by DGO on July 28, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR8 Section 20.1., for the use of API Class L cement in place of API Class A cement, relating to the plugging of horizontal wells.

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4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.


ORDER

It is ordered that the Class L cement product approved and monogrammed by API is approved for use in place of API Class A cement for well plugging subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

IN THE NAME OF THE STATE OF WEST VIRGINIA

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


James Martin, Chief
Office of Oil and Gas

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Jones 2H
Marion Co., WV
HZ Marcellus well
API # 47-049-02184
BY: Tyler Mizgorski
DATE: 10/19/2022

CURRENT STATUS:

Elevation @ 1,035
20" J-55 94 ppf conductor @ 80'
13 3/8" J55 54.5 ppf casing @ 987' Type 1 Cement to Surface
9 5/8" N55 – 40 ppf casing @ 2,988' Type 1 Cemented to Surface
5 1/2" P110 – 20 ppf casing @ 14,081' POZH/class H Cemented to Surface

Formation broken for build up test.
Perforations from 14,017' to 13,825'
Pumped 30 bbls to break formation. No Proppant pumped
Notes say pressure memory gauges installed at 7155'. No notes stating that they were ever pulled.
Fresh water @ 150'
Salt water @ N/A
Coal Show @ 641', 239', 598', 641'

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- 1) Notify Inspector **Ken Greynolds**, (304) 206-6613, Kenneth.L.Greynolds@wv.gov prior to beginning operations.
- 2) Check and record pressure on all casings, notify Engineer of recorded pressures.
- 3) Install 10k wireline BOP. Test BOP's and stack to regs. P/U install 10k lubricator. (**Call 8hrs before, will need crane truck**)
- 4) Equalize lubricator, if necessary and RIH w/ wireline to top of marcellus at 7,700' and set a CIBP above the Marcellus @ 7,650' MD. If unable to get to set depth, EQT office will call DEP to discuss options.
- 5) Hook up pump truck and pressure test lines to 8000 psi. (**Call pump truck 8hrs before**)
- 6) POOH w/ wireline and load well with 6% gel if not full. Perform CIT with pump truck to 2000 psi. Ensure leak-off is not more than 10% in thirty minutes per regulation.
- 7) RIH and set second CIBP 10' above the first
- 8) POOH w/ wireline and load well with 6% gel if not full. Perform CIT with pump truck to 2000 psi. Ensure leak-off is not more than 10% in thirty minutes per regulation.
- 9) RIH with Renegade segmented bond log and pull log from CIBP to surface
- 10) TIH with tubing to CIBP.
- 11) Pump 1500' Class A or Class L cement plug. 7,640' to 6,140' Pump 500' of cement and pull 500' of tubing 2 times. Pump last 500' section and pull tubing 300' and reverse circulate full hole volume. TOOH 300'
- 12) Let cement dry for 8 hours and tag top of cement. If cement top is at 6,140' or close POOH to 3,200' and set a 500' C1A or Class L Cement plug from 3,200' to 2,700'. Pump 500' of cement and pull 500' of tubing. Pull tubing 300' and reverse circulate full hole volume. TOOH 300' (safety plug - 9 5/8" Casing Seat)
- 13) Let cement dry for 8 hours and tag top of cement. If cement top is at 2,700' or close TOOH.
- 14) Set a 1,150' C1A or Class L Cement plug 1,150' to surface Pump 500' of cement and pull 500' of tubing 2 times, Pump last 150' and POOH TOOH (Elevation Plug – 13 3/8" Casing Seat – Coal, Freshwater, and surface plug)
- 15) Reclaim location and Set Monument above ground to WV-DEP Specifications

Kenneth Greynolds

Digitally signed by Kenneth Greynolds
DN: cn = Kenneth Greynolds email = Kenneth.L.
Greynolds@wv.gov c = AD O = WVDEP OU = Oil and
Gas
Date: 2022.10.24 13:01:12 -0400

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October 19, 2022, 4:05 pm

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12/16/2022



Kennedy, James P <james.p.kennedy@wv.gov>

Cement Modifications

1 message

Kennedy, James P <james.p.kennedy@wv.gov>


Tue, Dec 13, 2022 at 3:21 PM


To: "Zavatchan, John" <jzavatchan@eqt.com>, Samuel D Ward <samuel.d.ward@wv.gov>, "Shrum, Becky" <BShrum@eqt.com>, OPishioneri@eqt.com


To whom it may concern, Modifications have been issued for 4704902278 04902279 04902184 04902283 04902284.


5 attachments

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