



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

Monday, June 29, 2026
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

JAY-BEE OIL & GAS, INC.
23 EGANFUSKEE ST., SUITE 126

JUPITER, FL 33477

Re: Permit Modification Approval for WR-N2
47-073-02651-00-00

Adding a pilot hole

JAY-BEE OIL & GAS, INC.

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.

A handwritten signature in black ink, reading 'H. Jason Harmon'.

H. Jason Harmon
Chief

Operator's Well Number: WR-N2
Farm Name: CLARK LIVING TRUST
U.S. WELL NUMBER: 47-073-02651-00-00
Horizontal 6A New Drill
Date Modification Issued: 6/29/2026

Promoting a healthy environment.

07/03/2026

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: <u>Jay-Bee Oil & Gas, Inc.</u>	24610	Pleasants	Lafayette	Ellenboro 7 1/2
	Operator ID	County	District	Quadrangle

2) Operator's Well Number: WR-N2 Well Pad Name: White Rabbit

3) Farm Name/Surface Owner: Clark Living Trust Public Road Access: Hebron Rd.

4) Elevation, current ground: 818.0' Elevation, proposed post-construction: 818.0'

5) Well Type (a) Gas X Oil _____ Underground Storage _____
Other _____
(b) If Gas Shallow X Deep _____
Horizontal X

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus Formation, TVD 5,977', Thickness 12', Expected PSI at surface 0

8) Proposed Total Vertical Depth: 5,977' (Pilot hole to 100' below the top of the Onondaga approx 6095')

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 24,369'

11) Proposed Horizontal Leg Length: 17,253.3'

12) Approximate Fresh Water Strata Depths: 127'

13) Method to Determine Fresh Water Depths: API 47-073-00798 Freshwater, 47-073-00636 Saltwater, 47-073-00099 Coal

14) Approximate Saltwater Depths: 1,756.1'

15) Approximate Coal Seam Depths: 456.1-461.1'

16) Approximate Depth to Possible Void (coal mine, karst, other): N/A

17) Does Proposed well location contain coal seams directly overlying or adjacent to an active mine? Yes _____ No X

(a) If Yes, provide Mine Info: Name: _____
Depth: _____
Seam: _____
Owner: _____

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[Signature] 6-24-26

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	26"	New	H-40	102	80'	30'	97.74
Fresh Water	20"	New	J-55	90	350'	300'	335.97
Coal	13 3/8"	New	J-55	61	2,050'	2,000'	1423.97
Intermediate	9 5/8"	New	HCP110	40-43.5	5,550'	5,500'	1722.48
Production	5 1/2"	New	P-110	20	24,419'	24,369'	5588.11 - 300' top
Tubing	2 3/8"	New	L-80	4.7	6,000'	5,984'	N/A
Liners	N/A						

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	26"	30"	.375	N/A	50	A/L	1.18
Fresh Water	20"	24"	.435	2,250	1,000	A/L	1.18
Coal	13 3/8"	17 1/2"	.480	3,090	2,000	A/L	1.12
Intermediate	9 5/8"	12 1/4"	.395-.435	8,700-8,980	4,500	A/L	1.12
Production	5 1/2"	8 1/2"	.304	12,640	7,500	A/H/G	1.15
Tubing	2 3/8"	5 1/2"	.190	7,700	2,500	N/A	N/A
Liners	N/A						

PACKERS

Kind:	N/A			RECEIVED Office of Oil and Gas
Sizes:	N/A			JUN 26 2026
Depths Set:	N/A			WV Department of Environmental Protection

James M. ... 6-24-26

19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill and Stimulate a new Horizontal Well. We will drill top hole to set conductor and surface casing, move in bottom hole rig drill on air or water based fluid to set intermediate 1 casing. Once intermediate 1 is set, plan to drill 8 1/2" pilot hole to 100' below the top of the Onondaga (approx. 6095') with SOBM. Run open hole pilot logs and then cement back inside the Intermediate 1 shoe. From there, proceed to drill 12 1/4" hole and set Intermediate 2 casing string, drill on air or water based fluid to top of curve (KOP). Load hole with SOBM trip out pick up BHA for curve and lateral drill well to planned TD. Run production casing and cement per design. Move out rig move in frac company stimulate well with water, sand and chemicals per frac design.

20) Describe fracturing/stimulating methods in detail, including anticipated max pressure and max rate:

200' per stage plug to plug approx 8,500 bbls of water, approx 400,000-500,000 lbs of propan, friction reducer, 1gpt. scale inhibitor and biocide .25 gpt 2,000 gallons 15% vol acid. 95 bpm @ 7,500# pressure.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 8.68

22) Area to be disturbed for well pad only, less access road (acres): 6.44

23) Describe centralizer placement for each casing string:

Vertical - Every 3rd joint place a centralizer to surface.
Horizontal - Every other joint place a solid body centralizer.
Curve - Every other joint place a solid body centralizer.

24) Describe all cement additives associated with each cement type:

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Class A
o Surface string (13-3/8") - 15.6 PPG - Class A Cement, 1.5% Calcium Chloride, Cello-flake (if required)
o Intermediate String (9-5/8") - 15.6 PPG - Class A Cement, 1.5% Calcium Chloride, Foam Preventer (FP-29L)
o Intermediate String #2 (9-5/8") - 15.6 PPG - Class A Cement, 1.5% Calcium Chloride, Foam Preventer (FP-29L) retarder
o Production string (5-1/2") - 14.5 PPG - 50% Class A Cement, 50% Fly Ash, Bentonite, Fluid Loss (FL-66), Foam Preventer (FP-24), Foam Preventer (FP-29L), Retarder (R-3), Sugar (Displacement only), Biocide (displacement only)
Class L
o Surface String (13-3/8") - 15.6 PPG - Class L Cement, 1.75% Calcium Chloride, Cello-flake (if required)
o Intermediate String (9-5/8") - 15.6 PPG - Class L Cement, 0.75% Calcium Chloride, Foam Preventer (FP-29L)
Class G & A Blend
o Production string (5.5) 14.8-15.6 PPG Antifoam, Surfactant, Class A lead Class G tail, Dispersant, Fluid loss, GAS Block (gas migration preventer) retarder
Class H & A Blend
o Production string (5.5) 13.5-15.2 PPG Antifoam, Surfactant, Class A lead Class H tail, Fly Ash, Fluid Loss, XCEM 703 Gas Migration, retarder

25) Proposed borehole conditioning procedures:

-24" surface hole- for the 18 5/8" fresh water case-circulate until clean with air or fresh water. If soaping, slug then dry.
-17.5" hole- for the intermediate #1 13 3/8" case-circulate until clean with air or fresh water. If soaping, slug then dry.
-8 1/2" pilot hole for logging purposes and plug back inside Intermediate 1 shoe.
-12.25" hole- for the intermediate #2 9 5/8" case-circulate until clean with air or water based fluid. If soaping, slug then dry.
-8.5" hole from KOP or bottom of 9 5/8" to TD- 5.5" production case-circulate with mud and sweep to condition well bore. If needed weight up mud until no cuttings retrieved, then circulate with mud and sweeps until none or minimal cuttings are being reretrieved.

*Note: Attach additional sheets as needed.



6-24-26

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Jay-Bee Companies

P.O. Box 380
Bridgeport, WV 26330

304-933-3878

June 24, 2026

Permitting Office
Office of Oil and Gas
WV Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304

*paid by cc
7500⁰⁰*

**Re: WR-N2 Well Modification Permit
API No. 47-073-02651**

To Whom It May Concern:

Jay-Bee Oil & Gas, Inc. respectfully requests a modification of the approved WR-N2 Well Permit (API No. 47-073-02651).

The proposed modification would allow the WR-N2 well to be drilled as a pilot hole to the Onondaga Formation for geological evaluation. Upon completion of the evaluation, the well will be plugged back and drilling operations will proceed in accordance with the approved development plan by building the curve and lateral from the same wellbore.

This proposed modification does not alter the approved surface location, target formation, or overall development plan for the well. The modification is limited to the drilling methodology described above.

Should you have any questions regarding this request, please contact me at epotesta@jaybeeoil.com or (304) 203-0665.

Thank you for your time and consideration.

Sincerely,

Emily Potesta
Regulatory Agent

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