

11/09/2018



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

Austin Caperton, Cabinet Secretary
www.dep.wv.gov

Wednesday, November 7, 2018
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

JAY-BEE OIL & GAS, INC.
1720 RT. 22 E

UNION, NJ 070830000

Re: Permit Modification Approval for P4N2
47-073-02574-00-00

Shortening the lateral and TMD

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.

James A. Martin
Chief

Operator's Well Number: P4N2
Farm Name: JOHN A. SMITH & EDITH U. SMITH
U.S. WELL NUMBER: 47-073-02574-00-00
Horizontal 6A New Drill
Date Modification Issued: November 07, 2018

Promoting a healthy environment.

1

WW-6B
(04/15)

API NO. 47- 073-02514/002018

OPERATOR WELL NO. P4N2

Well Pad Name: P4

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

1) Well Operator: Jay-Bee Oil & Gas, Inc. 24610 Pleasants Union Ben's Run 7.5'
Operator ID County District Quadrangle

2) Operator's Well Number: P4N2 Well Pad Name: P4

3) Farm Name/Surface Owner: John A. & Edith U. Smith Public Road Access: Arvilla Rd/CR 7

4) Elevation, current ground: 982.1' Elevation, proposed post-construction: 957.2'

5) Well Type (a) Gas Oil Underground Storage

Other _____

(b) If Gas Shallow Deep

Horizontal

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, Target Depth 5,995', 41-60' thick, 3500# pressure

8) Proposed Total Vertical Depth: 5,995'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 14,619'

11) Proposed Horizontal Leg Length: 6,606'

12) Approximate Fresh Water Strata Depths: 216'

13) Method to Determine Fresh Water Depths: API 47-073-00798

14) Approximate Saltwater Depths: N/A

15) Approximate Coal Seam Depths: N/A

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

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

Depth: _____

Seam: _____

Owner: _____

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2018
WV Department of
Environmental Protection

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	16	New	J55	40	30'	30'	8.22 CTS
Fresh Water	11 3/4	New	J55	32	300'	300'	142.25 CTS
Coal							
Intermediate	8 5/8	New	J55	24	2,000'	2,000'	508.43 CTS
Production	5 1/2	New	P110	17	14,619'	14,619'	2,659 CF1000' from surface
Tubing	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	16	17 1/2	.495	3,000#	50	Class A	1.19
Fresh Water	11 3/4	15	.333	1,500#	1,000	Class A	1.26
Coal							
Intermediate	8 5/8	11	.264	2,950#	1,500	Class A	1.45
Production	5 1/2	7 7/8	.304	15,000#	2,500	Type 1 Cement	1.34
Tubing	N/A						
Liners	N/A						

PACKERS

Kind:	N/A			
Sizes:	N/A			
Depths Set:	N/A			

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Office of Oil and Gas

NOV 07 2018

11/09/2018



Jay Bee Oil and Gas, Inc.
3570 Shields Hill Road
Cairo, WV 2337

November 5, 2018

West Virginia Department of Environmental Protection
Office of Oil and Gas
c/o Laura Atkins
601 57th Street
Charleston, WV 25304

RE: Modification Request P4N5 47-073-02575
 P4N2-47-073-02574

Ma'am:

This letter request modifications to the above previously issue well permits in Pleasants County WV. More specifically, P4N2-47-073-02574, lateral shortening, and P4N5 47-073-02575, shortening of the total measured depth.

Sincerely,

Chris Lindsey
Jay Bee Oil and Gas, Inc.