

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, 2014
PERMIT MODIFICATION APPROVAL
Horizontal 6A / New Drill

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

UNION, NJ 070830000

Re: Permit Modification Approval for P4N5
47-073-02575-00-00

Shorten 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: P4N5
Farm Name: JOHN A. SMITH & EDITH U. SMITH
U.S. WELL NUMBER: 47-073-02575-00-00
Horizontal 6A New Drill
Date Modification Issued: November 07, 2018

Promoting a healthy environment.

ky

WW-6B
(04/15)

API NO. 47-073-02575 11/09/2018
OPERATOR WELL NO. P4N5
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: P4N5 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 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, 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: 16,998'

11) Proposed Horizontal Leg Length: 9,380.8'

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 X

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

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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	16,998'	16,998'	2,774 CF 1000' 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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WW-6A1
(5/13)Operator's Well No. P4N5

**INFORMATION SUPPLIED UNDER WEST VIRGINIA CODE
Chapter 22, Article 6A, Section 5(a)(5)
IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)**

Under the oath required to make the verification on page 1 of this Notice and Application, I depose and say that I am the person who signed the Notice and Application for the Applicant, and that –

- (1) the tract of land is the same tract described in this Application, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
P7019	John & Edith Smith	BB Land, LLC	12.5%	298-532
P7206	Hazel Bunner	BB Land, LLC	12.5%	318-620
P7195	Roger & Kimberly Holmes	BB Land, LLC	12.5%	316-648
P7195B	Jerry Corrigan	BB Land, LLC	12.5%	321-227
P7194	Sarah E. Mees	BB Land, LLC	12.5%	307-605
P7198	Brady A. Smith	BB Land, LLC	12.5%	310-667

**Acknowledgement of Possible Permitting/Approval
In Addition to the Office of Oil and Gas**

The permit applicant for the proposed well work addressed in this application hereby acknowledges the possibility of the need for permits and/or approvals from local, state, or federal entities in addition to the DEP, Office of Oil and Gas, including but not limited to the following:

- WV Division of Water and Waste Management
- WV Division of Natural Resources WV Division of Highways
- U.S. Army Corps of Engineers
- U.S. Fish and Wildlife Service
- County Floodplain Coordinator

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2018

The applicant further acknowledges that any Office of Oil and Gas permit in no way overrides, replaces, or nullifies the need for other permits/approvals that may be necessary and further affirms that all needed permits/approvals should be acquired from the appropriate authority before the affected activity is initiated.

Well Operator: Jay-Bee Oil & Gas, Inc.

By: *CL* Chris Lindsey

Its: Office Manager

73-02575
11/09/2018
mwb

WW-6A1
(5/13)

Operator's Well No. P4N5

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Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
P7053	Donald Wagner	BB Land, LLC	12.5%	310-667
P7071	Ridgetop Capital, IV, LP	BB Land, LLC	12.5%	294-254
P7055	Brady A. Smith	BB Land, LLC	12.5%	307-387
P7204	William Clovis	BB Land, LLC	12.5%	310-675
P7179	BB Land, LLC	BB Land, LLC	12.5%	310-112
P7177	William Green	BB Land, LLC	12.5%	307-654

Aff on file to Jay-Bee


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Well Operator: Jay Bee Oil and Gas, Inc
 By:  Chris Lindsey
 Its: Office Manager

WW-6A1
(5/13)

Operator's Well No. P4N5

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Lease Name or Number	Grantor, Lessor, etc.	Grantee, Lessee, etc.	Royalty	Book/Page
Affidavit	BB Land, LLC	Jay Bee Oil and Gas, Inc		


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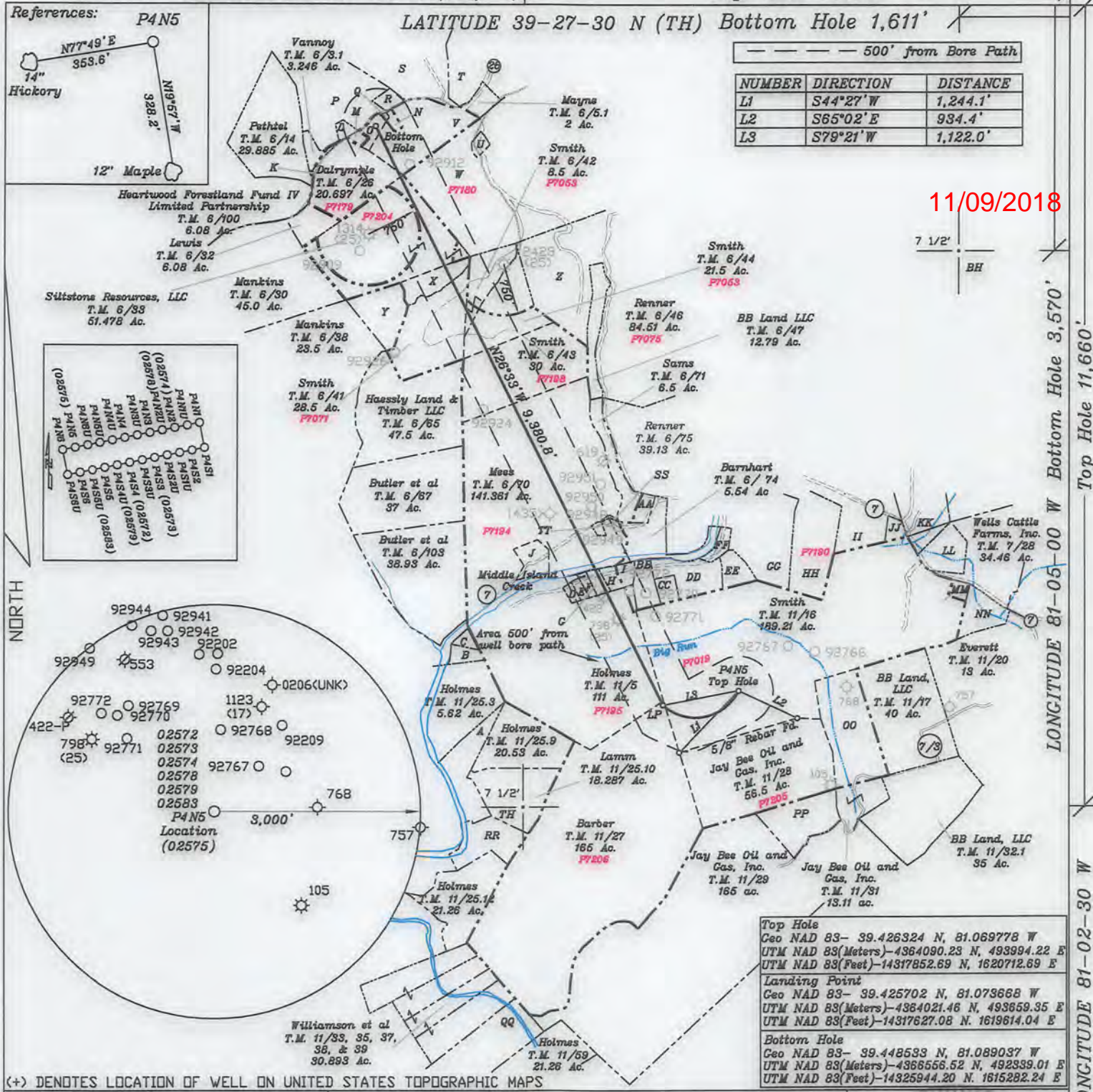
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Well Operator: Jay Bee Oil and Gas, Inc
 By:  Chris Lindsey
 Its: Office Manager



11/09/2018

NUMBER	DIRECTION	DISTANCE
L1	S44°27'W	1,244.1'
L2	S65°02'E	934.4'
L3	S79°21'W	1,122.0'

Top Hole
Geo NAD 83- 39.426324 N, 81.069778 W
UTM NAD 83(Meters)-4364090.23 N, 493994.22 E
UTM NAD 83(Feet)-14317652.69 N, 1620712.69 E

Landing Point
Geo NAD 83- 39.425702 N, 81.073868 W
UTM NAD 83(Meters)-4364021.46 N, 493859.35 E
UTM NAD 83(Feet)-14317627.08 N, 1619614.04 E

Bottom Hole
Geo NAD 83- 39.448533 N, 81.089037 W
UTM NAD 83(Meters)-4366556.52 N, 492339.01 E
UTM NAD 83(Feet)-14325944.20 N, 1615282.24 E

FILE NO. _____
DRAWING NO. 1
SCALE 1" = 2000'
MINIMUM DEGREE OF ACCURACY 1 in 200
PROVEN SOURCE OF ELEVATION GPS
submeter unit

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE RULES ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

(SIGNED) David L. Jackson
R.P.E. _____ P.S. 708



STATE OF WEST VIRGINIA
Division of Environmental Protection
OFFICE OF OIL AND GAS

DATE October 31, 2018
OPERATOR'S WELL NO. P4N5
API WELL NO. _____

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF 'GAS') PRODUCTION X STORAGE _____ DEEP _____ SHALLOW X

LOCATION: ELEVATION 957.22' WATER SHED Big Run of Outlet Middle Island Creek (HUC-10)
DISTRICT Union COUNTY Pleasants
QUADRANGLE Bens Run 7 1/2'

SURFACE OWNER John A. Smith & Edith U. Smith. ACREAGE 189.21 Ac.
OIL & GAS ROYALTY OWNER John A. Smith & Edith U. Smith. LEASE ACREAGE 189.21 Ac.
LEASE NO. See above & Page 2

PROPOSED WORK: DRILL X CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION Marcellus ESTIMATED DEPTH TVD = 5,995'; TMD = 16.998'
WELL OPERATOR Jay-Bee Oil & Gas, Inc. DESIGNATED AGENT Randy Broda
ADDRESS 1720 Route 22 E, Union, NJ 07083 ADDRESS 3570 Shields Hill Rd., Cairo, WV 26337

JACKSON SURVEYING

INC.

P.O. Box 1460
677 W. Main St.
Clarksburg, WV 26302
304-623-5851

WELL BORE TABLE FOR PROPERTY OWNERS

TRACT	OWNER	TM PARCEL	ACRES	Lease Numbers
A	MIXER ET AL	11 / 25.2	4.687	
B	HOLMES	11 / 4	1.0	
C	HOLMES	11 / 3.1	1.75	
D	VERARDI & WINEMAN	11 / 6	0.92	P7195A
E	HOLMES	11 / 7	1.0	P7195
F	HOLMES	11 / 8	5.85	P7195
G	CORRIGAN	11 / 9	0.92	P7195B
H	CULPEPPER CATTLE COMPANY INC	11 / 10	0.92	P7195C
I	CULPEPPER CATTLE COMPANY INC	11 / 11	1.37	
J	LONAS	6 / 70.1	4.639	P7194B
K	VANNOY	6 / 26.1	0.916	
L	CEMETERY	6 / 104	1.0	
M	CECIL	6 / 27	1.0	
N	URBAN	6 / 17.1	1.0	
O	DALRYMPLE ET AL	6 / 15	2.86	P7177A
P	RENNER	6 / 3	59.314	
Q	URBAN	6 / 16	0.14	
R	CARROLL & RYAN	6 / 3.2	2.062	
S	URBAN	6 / 4	49.61	
T	LEECH	6 / 5	22.478	
U	GREEN	6 / 28.1	1.152	
V	GREEN	6 / 17	21.567	P7177
W	PAYNE & GREEN	6 / 28	66.848	
X	SMITH	6 / 40	6.5	P7055
Y	MANKINS	6 / 39	25.5	
Z	BREMEN & ROBERTSON	6 / 45	30.0	P7185
AA	BARNHART	6 / 73	1.25	
BB	BLAKE	11 / 12	5.0	
CC	BOWIE	11 / 13	3.25	
DD	BOWIE	11 / 14	12.855	
EE	BOWIE	6 / 92	1.0	
FF	BOWIE	6 / 91	1.95	
GG	RENNER	6 / 90.3	20.791	P7072
HH	SMITH	6 / 106	21.46	P7190
II	BUZZARD	6 / 84	10.5	
JJ	REGULAR BAPTIST CHURCH OF JESUS CHRIST	6 / 108	2.0	
KK	JAY BEE OIL AND GAS, LLC.	6 / 85	27.53	
LL	CORRIGAN	6 / 105	2.165	
MM	LAUER	11 / 16.1	1.5	
NN	LAUER	11 / 16.2	3.29	
OO	BB LAND LLC	11 / 18	26.75	P7048
PP	JAY BEE OIL AND GAS INC	11 / 30	25.14	
QQ	HALL	11 / 34	38.34	
RR	HOLMES	11 / 25.11	10.649	
SS	JENSEN	6 / 68	0.5	P7194C
TT	JENSEN & BARNHART	6 / 69	1.0	P7194D

11/09/2018



P.S.
708

David L. Jackson



Jay Bee
Oil & Gas

DRILLING
into the future

OPERATOR'S

WELL #: P4N5

DISTRICT: UNION

COUNTY: PLEASANTS

STATE: WV

WELL PLAT

PAGE 2 OF 2

DATE: 10/31/2018

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,

A handwritten signature in blue ink, appearing to read "Chris Lindsey", is written over a blue ink scribble.

Chris Lindsey
Jay Bee Oil and Gas, Inc.