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west virginia department of environmental protection

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

Austin Caperton, Cabinet Secretary  
[www.dep.wv.gov](http://www.dep.wv.gov)

Thursday, March 14, 2019  
WELL WORK PERMIT  
Horizontal 6A / New Drill

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

UNION, NJ 070830000

Re: Permit approval for P4N2U  
47-073-02578-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Please be advised that form WR-35, Well Operators Report of Well Work is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

James A. Martin  
Chief

A handwritten signature in blue ink, appearing to read "James A. Martin", is written over the typed name and title.

Operator's Well Number: P4N2U  
Farm Name: JOHN A. SMITH & EDITH U.   
U.S. WELL NUMBER: 47-073-02578-00-00  
Horizontal 6A New Drill  
Date Issued: 3/14/2019

# PERMIT CONDITIONS

West Virginia Code § 22-6A-8(d) allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

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## CONDITIONS

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1. This proposed activity may require permit coverage from the United States Army Corps of Engineers (USACE). Through this permit, you are hereby being advised to consult with USACE regarding this proposed activity.
2. If the operator encounters an unanticipated void, or an anticipated void at an unanticipated depth, the operator shall notify the inspector within 24 hours. Modifications to the casing program may be necessary to comply with W. Va. Code § 22-6A-5a (12), which requires drilling to a minimum depth of thirty feet below the bottom of the void, and installing a minimum of twenty (20) feet of casing. Under no circumstance should the operator drill more than one hundred (100) feet below the bottom of the void or install less than twenty (20) feet of casing below the bottom of the void.
3. When compacting fills, each lift before compaction shall not be more than 12 inches in height, and the moisture content of the fill material shall be within limits as determined by the Standard Proctor Density test of the actual soils used in specific engineered fill, ASTM D698, Standard Test Method for Laboratory Compaction Characteristics of Soil Using Standard Effort, to achieve 95 % compaction of the optimum density. Each lift shall be tested for compaction, with a minimum of two tests per lift per acre of fill. All test results shall be maintained on site and available for review.
4. Operator shall install signage per § 22-6A-8g (6) (B) at all source water locations included in their approved water management plan within 24 hours of water management plan activation.
5. Oil and gas water supply wells will be registered with the Office of Oil and Gas and all such wells will be constructed and plugged in accordance with the standards of the Bureau for Public Health set forth in its Legislative rule entitled *Water Well Regulations*, 64 C.S.R. 19. Operator is to contact the Bureau of Public Health regarding permit requirements. In lieu of plugging, the operator may transfer the well to the surface owner upon agreement of the parties. All drinking water wells within fifteen hundred feet of the water supply well shall be flow tested by the operator upon request of the drinking well owner prior to operating the water supply well.
6. Pursuant to the requirements pertaining to the sampling of domestic water supply wells/springs the operator shall, no later than thirty (30) days after receipt of analytical data provide a written copy to the Chief and any of the users who may have requested such analyses.
7. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
8. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
9. If any explosion or other accident causing loss of life or serious personal injury occurs in or about a well or well work on a well, the well operator or its contractor shall give notice, stating the particulars of the explosion or accident, to the oil and gas inspector and the Chief, within 24 hours of said accident.
10. During the casing and cementing process, in the event cement does not return to the surface, the oil and gas inspector shall be notified within 24 hours.

## PERMIT CONDITIONS

11. The operator shall provide to the Office of Oil and Gas the dates of each of the following within 30 days of their occurrence: completion of construction of the well pad, commencement of drilling, cessation of drilling, completion of any other permitted well work, and completion of the well. Such notice shall be provided by sending an email to [DEPOOGNotify@wv.gov](mailto:DEPOOGNotify@wv.gov).



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west virginia department of environmental protection

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Oil and Gas Conservation Commission  
601 57<sup>th</sup> Street SE, Charleston, WV 25304  
304-926-0499 Ext 1274

Barry K. Lay, Chairman  
dep.wv.gov

March 13, 2019

Department of Environmental Protection  
Office of Oil and Gas  
Charleston, WV 25304

RE: Application for Deep Well Permit – API #47-073-02578

COMPANY: Jay-Bee Oil & Gas, Inc.

FARM: John A. Smith & Edith U. Smith P4N2U

COUNTY: Pleasants DISTRICT: Union QUAD: Bens Run

The deep well review of the application for the above company is **Approved to drill to Trenton for Point Pleasant completion. Pooling Docket No. 274-262**

The applicant has complied with the provision of Chapter 22C-9, of the Code of West Virginia, nineteen hundred and thirty-one (1931), as amended, Oil and Gas Conservation Commission as follows:

1. Comments to Notice of Deviation filed? No
2. Provided a certified copy of duly acknowledged and recorded consent and easement form from all surface owners? Yes
3. Provided a tabulation of all deep wells within one mile of the proposed location, including the API number of all deep wells: yes; P4S4U 47-073-02579; P4S5U 47-073-02583; P3N2U 47-073-02560; P3S2U 47-073-02563; P3S3U 47-073-02567; WAGNER 501 47-073-02428
4. Provided a plat showing that the proposed location is a distance of 400+ feet from the nearest lease line or unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,

A handwritten signature in blue ink that reads "Susan Rose".

Susan Rose  
Administrator

WW-6B  
(04/15)

4707302578  
API NO. 47-  
OPERATOR WELL NO. P4N2U  
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: P4N2U Well Pad Name: P4

3) Farm Name/Surface Owner: John & Edith Smith Public Road Access: Arvilla Rd (CR7)

4) Elevation, current ground: 982.1' Elevation, proposed post-construction: 957.22'

5) Well Type (a) Gas  Oil \_\_\_\_\_ Underground Storage \_\_\_\_\_  
Other \_\_\_\_\_

(b) If Gas Shallow \_\_\_\_\_ Deep   
Horizontal

*JCS*  
*12/17/18*

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):  
Point Pleasant: 10,835' Depth, 256' Thickness, 8000 psi, Trenton: 11,120' Depth Thickness, 180' Thickness, 8000 psi

8) Proposed Total Vertical Depth: 11,120' TVD, 10,835' TVD (Horizontal section)

9) Formation at Total Vertical Depth: Trenton (TVD) Point Pleasant (Horizontal)

10) Proposed Total Measured Depth: 19,105'

11) Proposed Horizontal Leg Length: 6,246'

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: \_\_\_\_\_



WW-6B  
(04/15)

API NO. 47- \_\_\_\_\_  
 OPERATOR WELL NO. P4N2U  
 Well Pad Name: P4

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	H40	202 lb./ft	30'	30'	CTS 49 Cu. Ft.
Fresh Water	18 5/8	New	K55	87.5 lb./ft	300'	300'	CTS 375 Cu. Ft.
Coal	13 3/8	New	J55	61 lb./ft	1,800'	1,800'	CTS 1,250 Cu. Ft.
Intermediate	9 5/8	New	HCP-110	47 lb./ft	7,100'	7,100'	CTS 2,224 Cu. Ft.
Production	5 1/2	New	P110	23 lb./ft	19,105'	19,105'	4,555 Cu. Ft.
Tubing	N/A						
Liners	N/A						

RECEIVED  
Office of Oil and Gas  
MAR 14 REC'D

JEB  
3/14/20A

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	Class A	1.18-1.20
Fresh Water	18 5/8	24	.435	2,250	1,000	Class A	1.18-1.20
Coal	13 3/8	17 1/2	.480	3,090	1,500	Class A	1.18-1.24
Intermediate	9 5/8	12 1/4	.472	9,440	2,000	Class A	1.18-3.00
Production	5 1/2	8 1/2	.415	16,800	2,500	Type 1 Cement	1.36-2.08
Tubing	N/A						
Liners	N/A						

PACKERS

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

4707302578

WW-6B  
(10/14)

API NO. 47- \_\_\_\_\_  
OPERATOR WELL NO. P4N2J  
Well Pad Name: P4

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

Drill vertical section of this well into the Trenton for logging purposes and to gather information. After that is complete we will plug back the well with a solid cement plug to from TD to KOP, effectively plugging the Trenton formation, and drill a Horizontal section through the Point Pleasant formation.

*Job*  
*12/17/18*

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

+/- 200' per stage using 8,000bbls of water per stage and approx. 180,000-200,000lbs. of sand Friction reducer at a 1.0gpt ratio Scale inhibitor at a .25gpt ratio biocide for prevention of bacteria growth at a .25gpt ratio and 2000 gallons of 15% acid @ 70-80BPM with pressure ranging from 6,000 to 11,000PSI. The use of a gelling agent and a breaker may be used if needed throughout the fracturing process. Water and sand will make up approximately 99% of the fluid used to stimulate with.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 35.5

22) Area to be disturbed for well pad only, less access road (acres): 10.07

23) Describe centralizer placement for each casing string:

Conductor: None  
Surface: 1 on joint above shoe and then one every 4th joint to surface  
Intermediate 2 Strings: 1 on joint above shoe and then on every 4th joint to surface  
Production: Horizontal every 42' Spiral Centralizer, Curve - every 84' Spiral Centralizer. Vertical every 500' to surface

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

Conductor: Class A no additives  
Surface: Class A Cement, 2% Calcium Chloride, 1/4# flake  
Intermediate 1: Class A Cement, Calcium Chloride, Bentonite, FP-13L, BA-10A  
Intermediate 2: Class A Cement, BA-90, Potassium Chloride (KCL), MPA-170, R-3, Sodium Metasilicate (SMS), FL-52, ASA-301  
Production Lead: 50/50 Poz-Class A+10% Salt-(BWOW)+3%Bentonite+0.65% Super FL-200+0.1%SEC-10+0.5% Air Out+0.1% R-1  
Production Tail: 50/50 Poz-Class A+10% Salt-(BWOW)+3%Bentonite+0.65% Super FL-200+0.1%SEC-10+0.5% Air Out+0.1% R-1

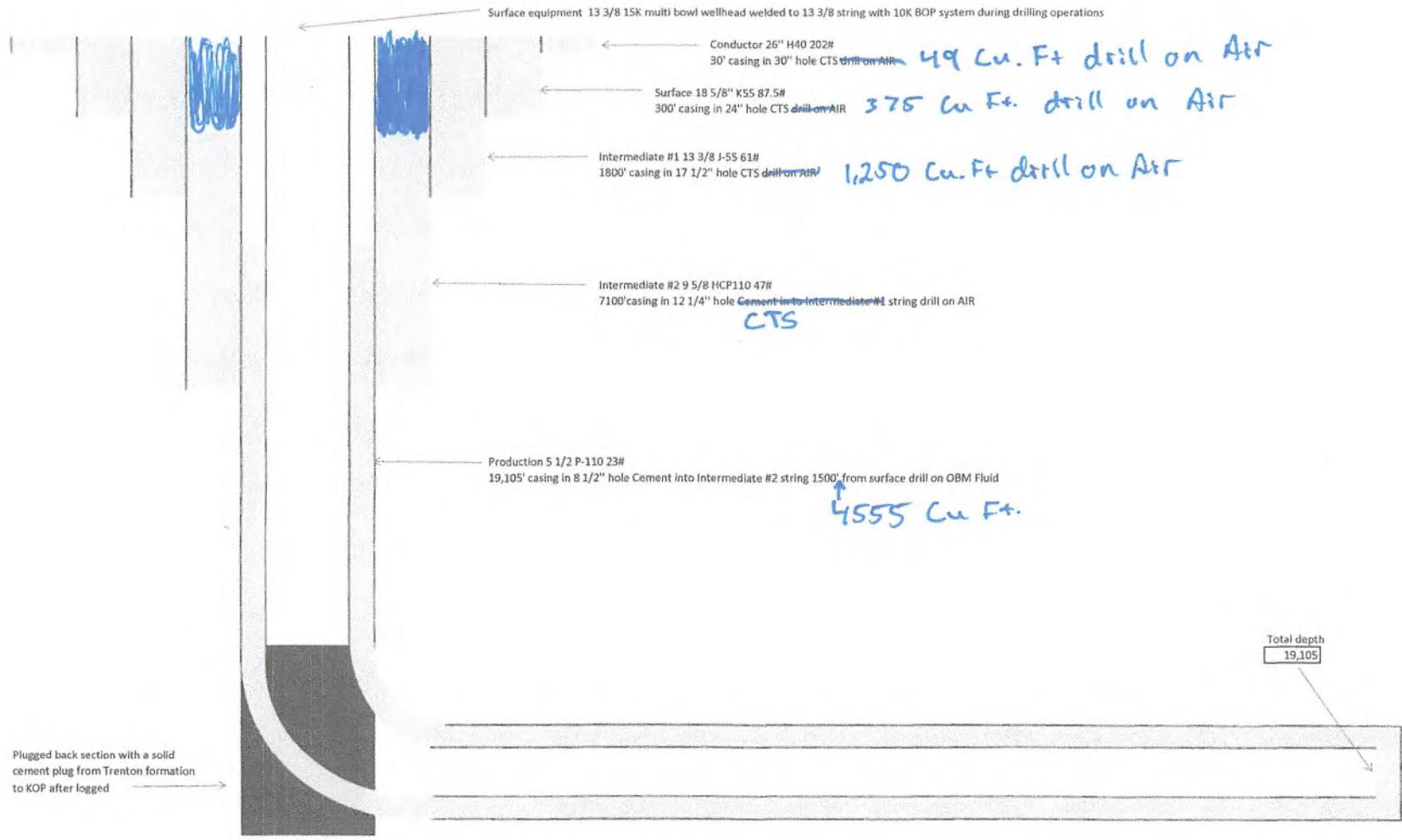
25) Proposed borehole conditioning procedures:

Air Hole: 24" 17 1/2" & 12 1/4" - Circulate until clean with air. If soaping, slug then dry.

8 1/2" Hole drilled on fluid for the 5 1/2" casing will be circulated 5-6 bottoms up and minimum of 2 heavy weighted sweeps will be pumped to ensure all cuttings are circulated continued until no cuttings are retrieved

\*Note: Attach additional sheets as needed.

Well Name: P4N2U Pleasants County, WV  
GL Elevation: 957.22' Cement



Surface equipment 13 3/8 15K multi bowl wellhead welded to 13 3/8 string with 10K BOP system during drilling operations

Conductor 26" H40 202#  
30' casing in 30" hole CTS drill on AIR 49 Cu. Ft. drill on Air

Surface 18 5/8" K55 87.5#  
300' casing in 24" hole CTS drill on AIR 375 Cu. Ft. drill on Air

Intermediate #1 13 3/8 J-55 61#  
1800' casing in 17 1/2" hole CTS drill on AIR 1,250 Cu. Ft. drill on Air

Intermediate #2 9 5/8 HCP110 47#  
7100' casing in 12 1/4" hole Cement into Intermediate #1 string drill on AIR  
CTS

Production 5 1/2 P-110 23#  
19,105' casing in 8 1/2" hole Cement into Intermediate #2 string 1500' from surface drill on OBM Fluid  
4,555 Cu. Ft.

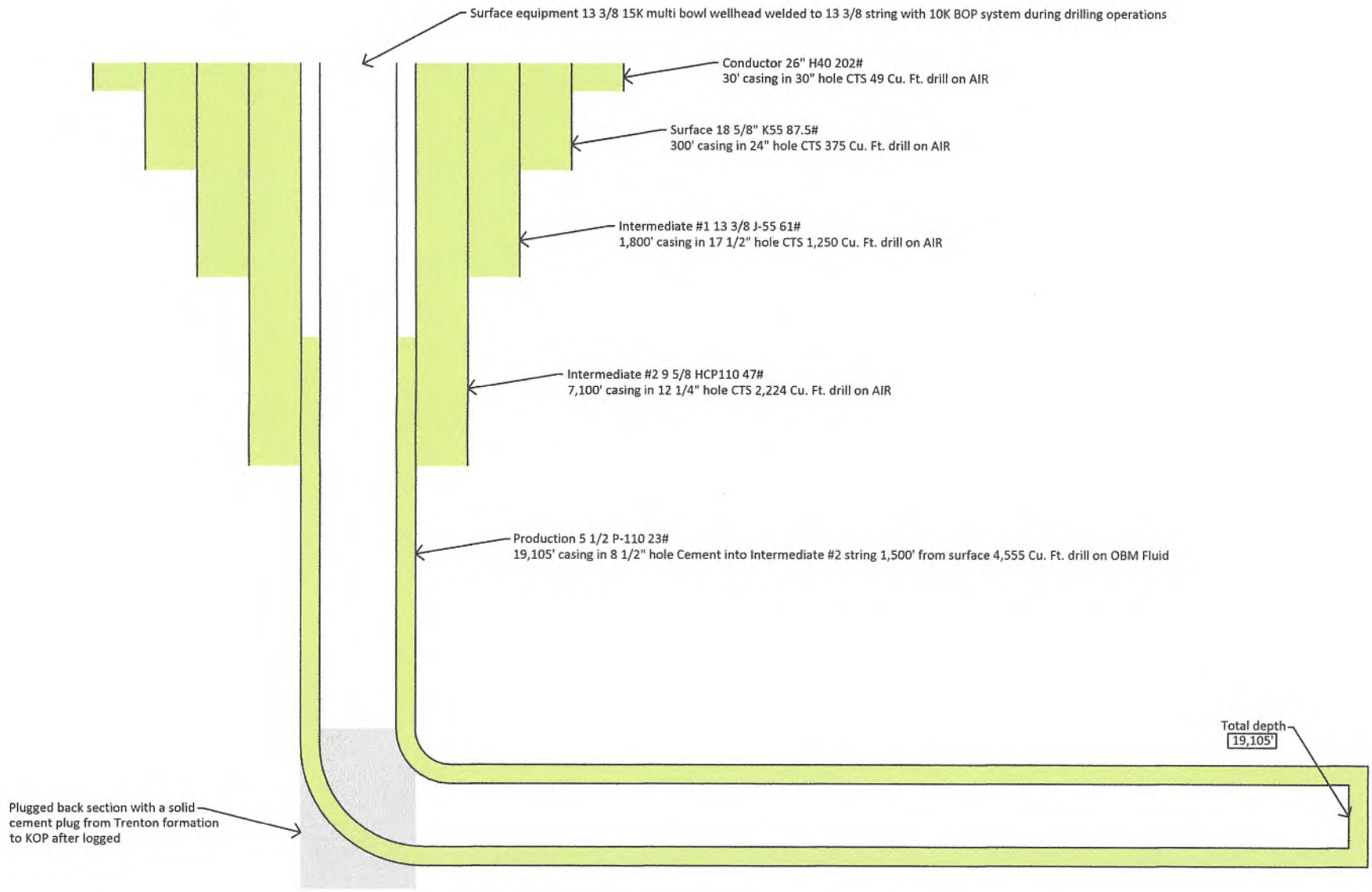
Plugged back section with a solid cement plug from Trenton formation to KOP after logged

Total depth  
19,105



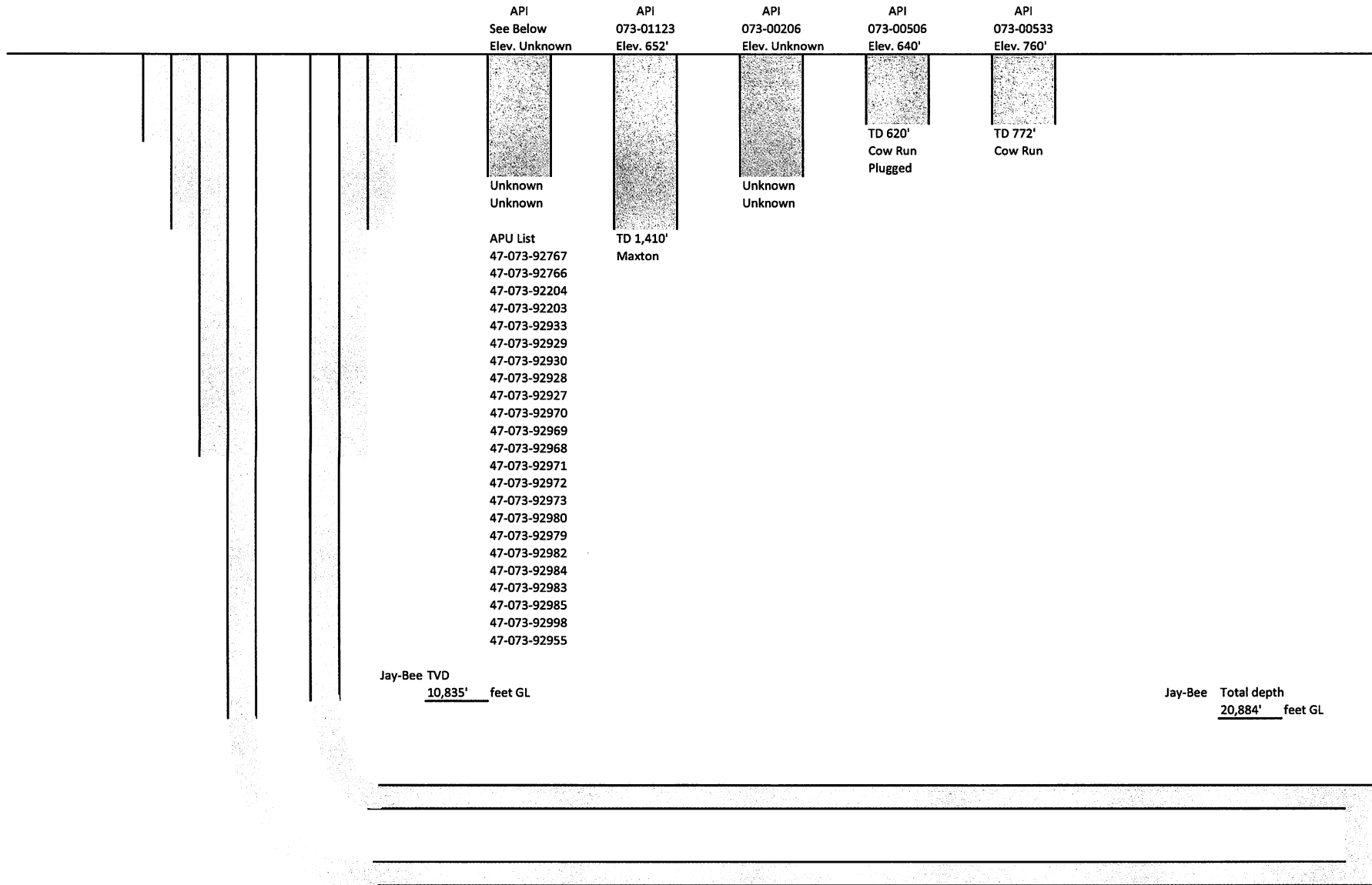
Well Name: P4N2U Pleasants County, WV

GL Elevation: 957.22' Cement  



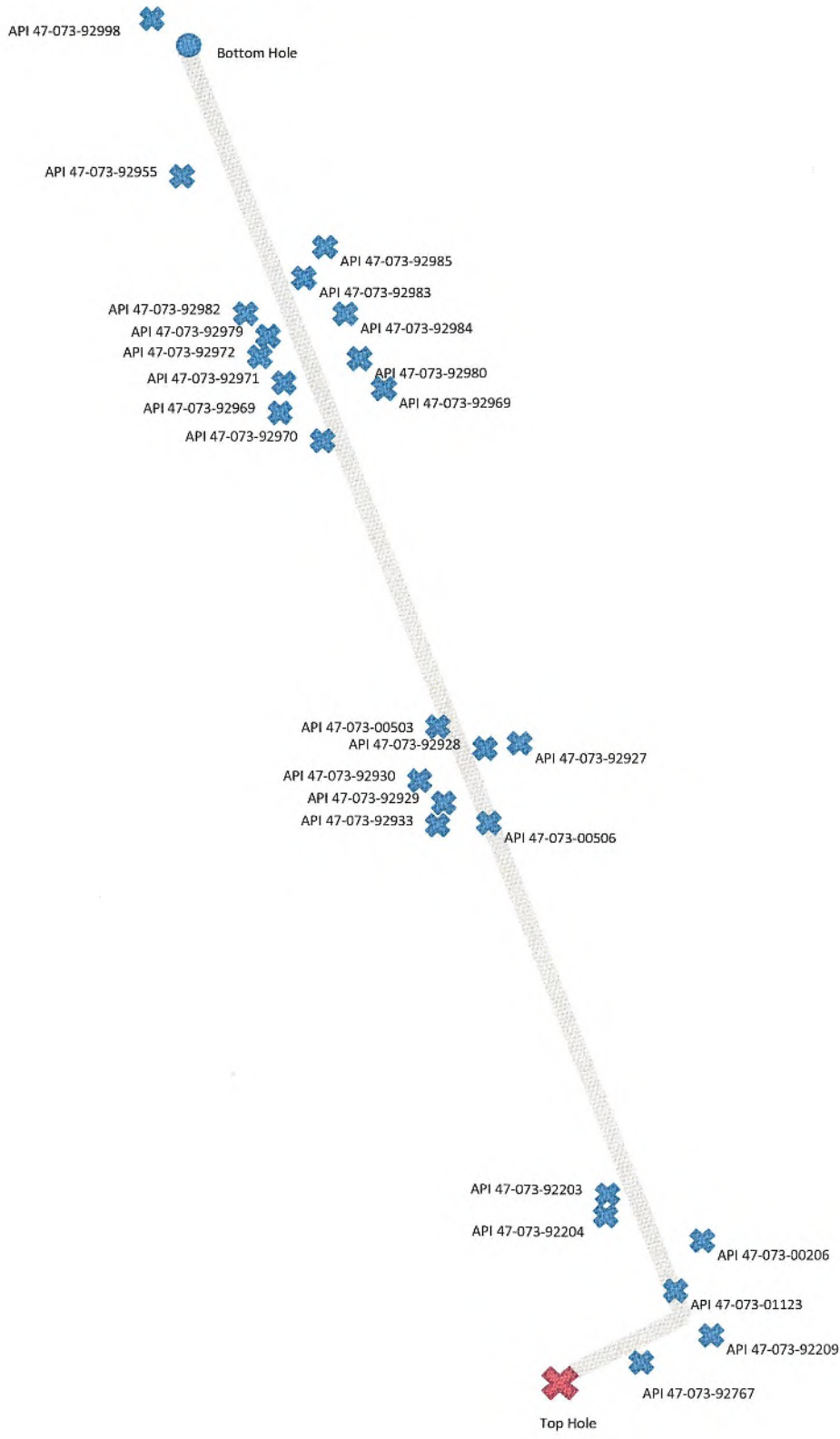
Jay-Bee Oil & Gas Inc.  
 Well Name P4N2U  
 GL Elevation 957.22'

### Well-Site Safety Plan Anti-Collision Schematic

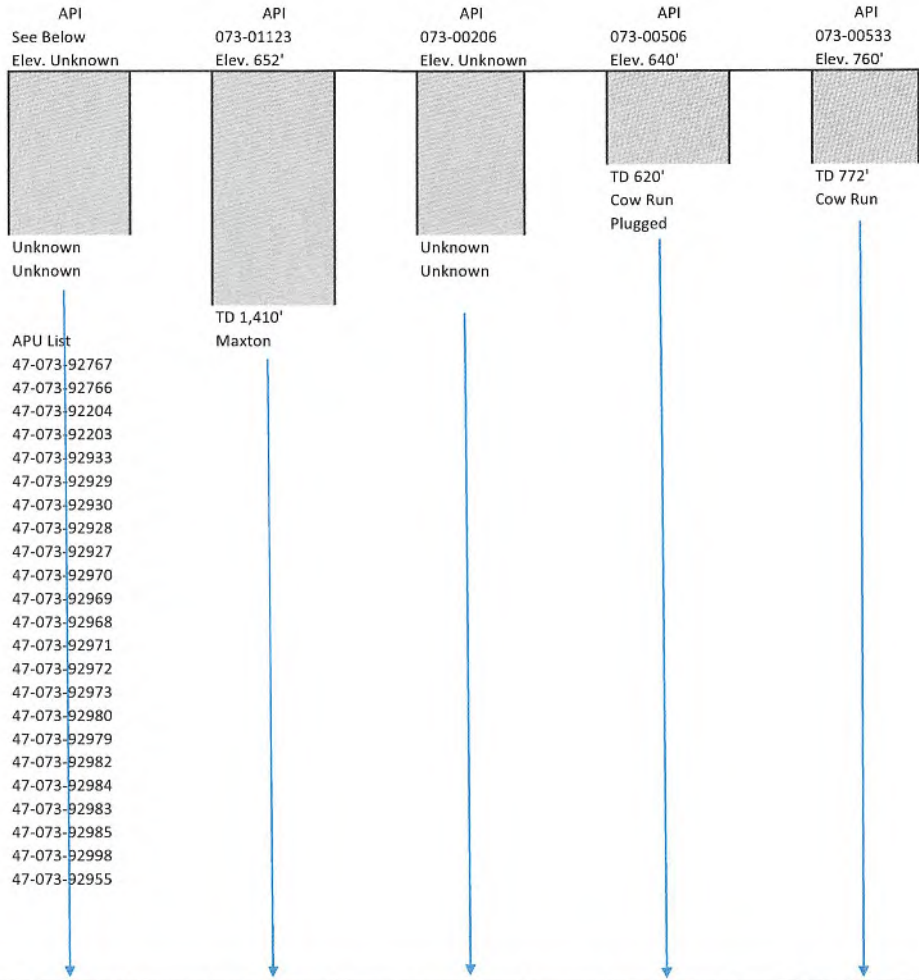


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### Well-Site Safety Plan Anti-Collision Schematic



**Area of Review**  
P4N2U - API Pending



Operator	Multiple	John A Smith	Tice & Marble	Smith & Haught	Quality Oil Co.
Well Name	Multiple	1	1	1	1
Perforated Formations	Unknown	Maxton	Unknown	Cow Run	Cow Run
Unperforated Producing Formations		Big Dunkard			
		Little Dunkard			
		Cow Run			



4707302578

WW-9  
(4/16)

API Number 47 - \_\_\_\_\_ - \_\_\_\_\_  
Operator's Well No. P4N2U

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

FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name Jay-Bee Oil & Gas, Inc. OP Code 24610

Watershed (HUC 10) Middle Island Creek Quadrangle Bens Run 7.5'

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes  No

Will a pit be used? Yes  No

If so, please describe anticipated pit waste: \_\_\_\_\_

Will a synthetic liner be used in the pit? Yes  No  If so, what ml.? \_\_\_\_\_

Proposed Disposal Method For Treated Pit Wastes:

- Land Application
- Underground Injection ( UIC Permit Number 47-085-09721 )
- Reuse (at API Number \_\_\_\_\_)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Using Contract Haulers (API's 47-085-05151 )

Will closed loop system be used? If so, describe: Yes, Centrifuge Drying Shaker System for Top Hole & Horizontal section

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. Air Vertical / Horizontal OBM

-If oil based, what type? Synthetic, petroleum, etc. ABS 40 (Aliphatic Base System) Synthetic

Additives to be used in drilling medium? Barite, ABS MUL/VIS, Bentone990, CACL2, CalCarb,FLR, Lime,Multifiber,Permaseal,Nut Plug

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. Landfill

-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) Landfill

-Landfill or offsite name/permit number? Meadowfill/Permit 101219WV

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on August 1, 2005, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

Company Official Signature [Signature]  
Company Official (Typed Name) Shane Dowell  
Company Official Title Office Manager

JAN 2 2018  
Office of Oil and Gas  
WV Department of Environmental Protection

Subscribed and sworn before me this 15<sup>th</sup> day of December

Teresa R. Hall  
My commission expires Oct 9<sup>th</sup> 2019

20-17

Official Seal  
Notary Public, State Of West Virginia  
Teresa R. Hall  
1724 Valley Mill Rd.  
Waverly, WV 26184  
My Commission Expires Oct. 09, 2019



Form WW-9

Operator's Well No. P4N2U

Jay-Bee Oil & Gas, Inc.

Proposed Revegetation Treatment: Acres Disturbed 35.5 Prevegetation pH 6.8

Lime 3 Tons/acre or to correct to pH 6.8

Fertilizer type 10-20-20

Fertilizer amount 500 lbs/acre

Mulch Hay 20 Tons/acre


Seed Mixtures

Temporary		Permanent	
Seed Type	lbs/acre	Seed Type	lbs/acre
Annual Ryegrass	40	KY Bluegrass	20
Field Bloomgrass	40	Creeping Red Fescue	30
Sudangrass	40	Perennial Ryegrass	10

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, include dimensions (L x W x D) of the pit, and dimensions (L x W), and area in acreage, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

Plan Approved by: 

Comments: \_\_\_\_\_

RECEIVED  
Office of Oil and Gas

JAN 2 2013

WV Department of  
Environmental Protection

Title: Oil + Gas Inspector Date: 12-21-17

Field Reviewed?  Yes  No

**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
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See Exhibit Attached hereto, and made part of WW-6A1

**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

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: Chris Lindsey   
 Its: Office Manager

# P4N2U

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# WELL SITE SAFETY PLAN

RECEIVED  
Office of Oil and Gas  
JAN 2 2018  
WV Department of  
Environmental Protection

DH 14  
12-21-17  
GOS  
12/21/2017

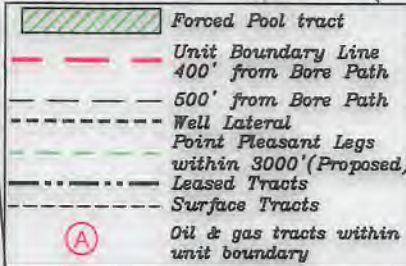
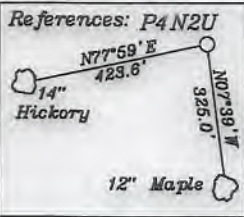
JAY-BEE OIL & GAS, INC



Top Hole 7,869'  
Bottom Hole 10,172'

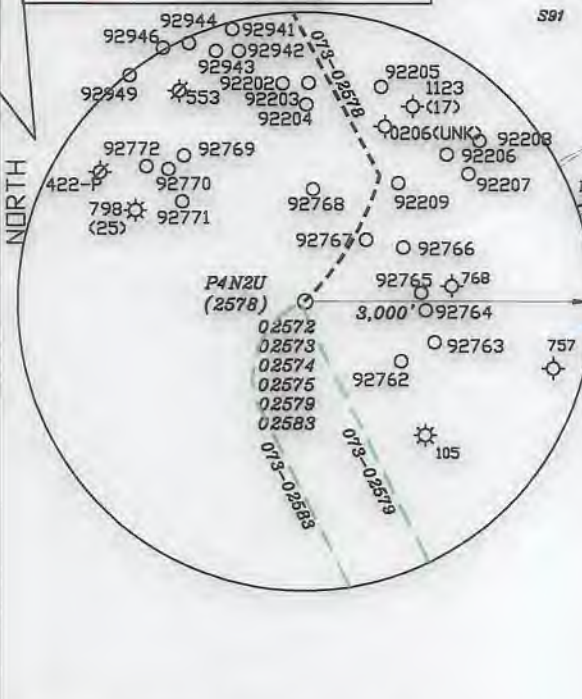
JAY BEE OIL & GAS INC  
P4N2U UNIT BOUNDARY AREA -  
155.0557 ACRES ±

LATITUDE 39-27-30 N (TH)  
LATITUDE 39-27-30 N (BH)



Notes:

- All wells within 500' of the horizontal leg are shown on this plat based upon information taken from DEP mapping, well plats, & aerial photos.
- Ties to wells and corners are based on State Plane Grid North-WV North Zone NAD 83.
- No water wells were found within 250' of the well location. No dwellings or buildings were found within 625' from the center of the proposed pad. No perennial streams are located within 100' of LOD. No producing trout stream is located within 300' of LOD.
- All deep wells within 3000' of well bore path are shown on this plat.
- Wells 955 & 2428 were permitted as deep wells but the producing formation is the Devonian Shale.
- Well 1314 was permitted as a deep well but the producing formation is the Shale.



NUMBER	DIRECTION	DISTANCE
L1	S46°11'W	1,302'
L2	S62°20'E	879'
L3	N30°52'E	1,524'

Top Hole  
Geo NAD 83- 39.426364 N, 81.069536 W  
UTM NAD 83(Meters)-4364094.73 N, 494015.06 E  
UTM NAD 83(Feet)-14317867.45 N, 1620781.093 E

Landing Point  
Geo NAD 83- 39.429994 N, 81.066848 W  
UTM NAD 83(Meters)-4364497.34 N, 494246.71 E  
UTM NAD 83(Feet)-14319188.37 N, 1621641.07 E

Bottom Hole  
Geo NAD 83- 39.444939 N, 81.077689 W  
UTM NAD 83(Meters)-4366156.73 N, 493315.15 E  
UTM NAD 83(Feet)-14324632.54 N, 1618484.79 E

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

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 December 10, 2018  
DATE March 06, 2019  
OPERATOR'S WELL NO. P4N2U  
API WELL NO. 47-073-02578 HGA  
STATE COUNTY PERMIT

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

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'

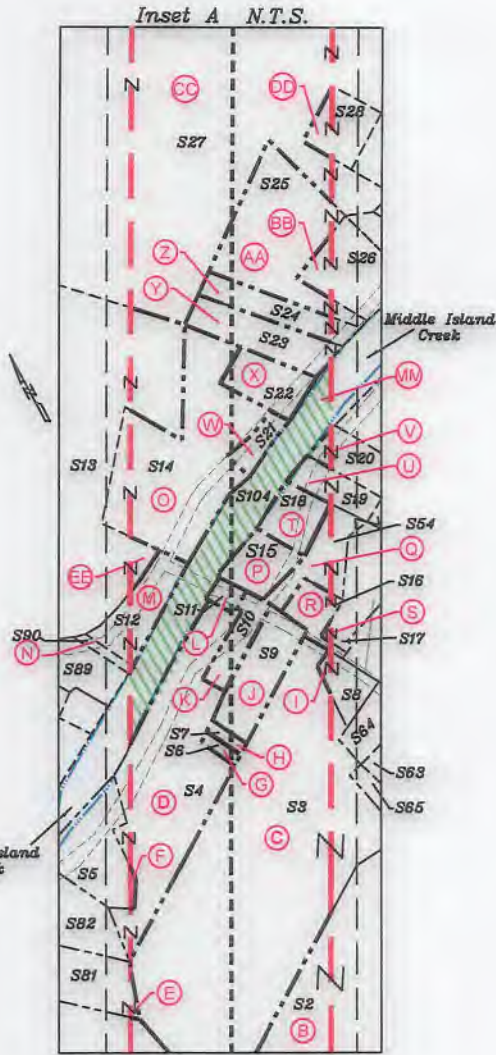
SURFACE OWNER John A. Smith & Edith U. Smith. ACREAGE Ac. 189.21  
OIL & GAS ROYALTY OWNER John A. Smith & Edith U. Smith. LEASE ACREAGE Ac. 189.21  
LEASE NO. P7109

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

PLUG AND ABANDON CLEAN OUT AND REPLUG  
TARGET FORMATION Point Pleasant ESTIMATED DEPTH TVD = 10,835'; TMD = 19,105'  
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



JAY BEE OIL & GAS INC  
 P4N2U UNIT BOUNDARY AREA -  
 155.0557 ACRES ±



TRACT	SURFACE OWNER	TM PARCEL	ACRES
S1	JOHN A. & EDITH U. SMITH	11 / 16	189.21
S2	JOHN A. & EDITH U. SMITH	6 / 106	21.46
S3	DOUGLAS D. & LORI K. RENNER	6 / 90.9	20.791
S4	KATHRINE LOUISE FLEMING	6 / 90.1	6.08
S5	PAMELA JO. & CHARLES R. BOWIE	6 / 91	1.95
S6	RODNEY RAY HOLMES & CRAIG ALLEN HOLMES	6 / 88	0.17
S7	RODNEY RAY HOLMES & CRAIG ALLEN HOLMES	6 / 87	0.17
S8	TANYA L. RENNER KALINOWSKI	6 / 90	0.75
S9	RODNEY RAY & CRAIG ALLEN HOLMES	6 / 89	1.73
S10	BENNY DALE & CARRIE DARLENE WHARTON	6 / 98	0.686
S11	BENNY DALE & CARRIE DARLENE WHARTON	6 / 107	0.002
S12	DAN W. & RENE H. ENRIGHT	6 / 75.3	2.287
S13	JACK E. & HILDA M. RENNER	6 / 75	39.13
S14	WILLIAM R. & ANNELLE L. EDWARDS	6 / 95	4.93
S15	STEPHEN E. & AMY JO CROSE	6 / 78.1	0.74
S16	RONALD D. TUCKER	6 / 78	0.52
S17	JAMES ALLEN & LENORA ELLEN RENNER	6 / 78.5	0.31
S18	HAROLD J. & EDNA I. KIMBALL	6 / 78.2	1.06
S19	JOHN V. & LISA P. ONESTINCHEL	6 / 78.3	1.2
S20	JAMES ALLEN & LENORA ELLEN RENNER	6 / 78.4	1.2
S21	DONALD WAYNE BENNETT, VICKI JANE & LOGAN VICTOR	6 / 95.1	0.56
S22	WILLIAM R. & ANNELLE EDWARDS	6 / 77	2.75
S23	DENNIS L. & KRIS-TIANNA S. VENDERLIC	6 / 76.1	1.93
S24	DENNIS L. & KRIS-TIANNA S. VENDERLIC	6 / 76.2	1.27
S25	CHAD M. EDWARDS	6 / 76.3	4.57
S26	EVERETT & KATHINE CURRY	6 / 76	2.067
S27	JEFFREY T. & LORI M. RENNER	6 / 46	84.51
S28	RICK R. & DEBORAH K. DAY	6 / 46.3	0.66
S29	BB LAND LLC	6 / 47	12.79
S30	ELIZABETH M. BREMEN ET AL	6 / 45	30.0
S31	EUGENE HUBERT STEWART	6 / 34	26.83
S32	WILLIAM D. PAYNE & JODI L. GREEN	6 / 28	66.848
S33	ASBURY TICE	6 / 29	2.25
S34	RALPH, CHAD, & BRIAN NORTHCRAFT	6 / 19	10.0
S35	RALPH, CHAD, & BRIAN NORTHCRAFT	6 / 18	31.75
S36	RALPH, CHAD, & BRIAN NORTHCRAFT	6 / 20	0.9
S37	RALPH, CHAD, & BRIAN NORTHCRAFT	6 / 21	0.75
S38	RALPH, CHAD, & BRIAN NORTHCRAFT	6 / 24	16.55
S39	EUGENE HUBERT STEWART	6 / 36	44
S40	BB LAND LLC	6 / 48	20.75
S41	FRANKLIN SR. & ANNIE OWENS	6 / 60.1	2.22
S42	KENNETH DALE DECKER & EMILY ELIZABETH	6 / 51	0.76
S43	KENNETH DALE DECKER & EMILY ELIZABETH	6 / 51.1	0.37
S44	WILLIAM LEWIS JR. & KAREN SUE DECKER	6 / 52	1.26
S45	WILLIAM LEWIS JR. & KAREN SUE DECKER	6 / 52.1	0.51
S46	BARRY & VICTORIA ADAMS	6 / 53	0.768
S47	RODNEY RAY HOLMES, ET AL	6 / 54 + 55	0.99
S48	DEENA M. HATCHER & DANIEL RODNEY HIGGINS	6 / 56 + 46.2	0.93
S49	JOHN ANDREW WILLIAMS & JOHN A. WILLIAMS SR.	6 / 57	1.0
S50	DAVID GREGG & SANDRA COWAN	6 / 58	1.0
S51	MARSHALL R. SATTERFIELD	6 / 59	0.77
S52	MARSHALL R. SATTERFIELD	6 / 60	0.74
S53	RICK R. & DEBORAH K. DAY	6 / 46.1	0.35
S54	JAMES ALLEN & LENORA ELLEN RENNER	6 / 78.6	31
S55	JAMES ALLEN & LENORA ELLEN RENNER	6 / 80	3.995
S56	JAMES ALLEN & LENORA ELLEN RENNER	6 / 82	16.288
S57	JAMES A. JR. & BEVERLY K. RENNER	6 / 82.3	0.913
S58	JAMES A. JR. & BEVERLY K. RENNER	6 / 80.1	4.463
S59	REGULAR BAPTIST CHURCH OF JESUS CHRIST	6 / 80.2	2.0
S60	ALLAN F. & NANCY L. HARMAN	6 / 81.1	0.50
S61	ALLAN F. & NANCY L. HARMAN	6 / 81	0.50
S62	ALLAN F. & NANCY L. HARMAN	6 / 94.1	0.33
S63	DANNY J. & LINDA C. NAGLE	6 / 94	2.67
S64	DANNY J. & LINDA C. NAGLE	6 / 93	1.13
S65	DANNY J. & LINDA C. NAGLE	6 / 90.2	0.5
S66	DANNY J. NAGLE	6 / 82.2	1.65
S67	JAMES A. & LENORA E. RENNER	6 / 82.1	1.0
S68	ANTHONY D. & MARY M. DRANE	6 / 106.1	1.5
S69	KEVIN S. BUZZARD	6 / 84	10.5
S70	REGULAR BAPTIST CHURCH OF JESUS CHRIST	6 / 108	2.0
S71	JERRY CORRIGAN	6 / 105	2.165
S72	WELLS CATTLE FARMS, INC.	7 / 28	34.46
S73	ANTHONY L. & DEVIN L. LAUER	11 / 16.1	1.5
S74	ANTHONY L. & DEVIN L. LAUER	11 / 16.2	3.29
S75	BB LAND LLC	11 / 18	26.75
S76	JAY BEE OIL AND GAS, INC.	11 / 30	25.14
S77	JAY BEE OIL AND GAS, INC.	11 / 32	13.11
S78	DARIN J. BARBER	11 / 27	165
S79	MELISSA A. BLAKE	11 / 12	5.0
S80	PAMELA JO. BOWIE	11 / 14	12.855
S81	PAMELA JO. BOWIE	11 / 13	3.25
S82	PAMELA JO. BOWIE	6 / 92	1.00
S83	JACK L. & PAMELA I. STOLLINGS	6 / 75.6	1.5
S84	HENRY R. & JUDITH ANN BARNHART	6 / 74	5.54
S85	MARTHA L. SAMS	6 / 71	6.5
S86	HENRY R. & JUDITH ANN BARNHART	6 / 73	1.25
S87	CHERYL SATTERFIELD	6 / 75.2	0.24
S88	CHARLES A. RUMBERG	6 / 75.1	0.53
S89	MICHAEL K. DELANCEY	6 / 75.4	0.893
S90	MICHAEL K. DELANCEY	6 / 75.5	0.42
S91	SARAH E. MEES	6 / 70	141.367
S92	BRADY A. SMITH	6 / 43	30
S93	BRADY A. SMITH	6 / 44	21.5
S94	BRADY A. SMITH	6 / 42	8.5
S95	SILTSTONE RESOURCES II, LLC	6 / 33	51.478
S96	WILLIAM E. GREEN	6 / 17	21.567
S97	JODI L. GREEN	6 / 28.1	1.152
S98	MARK S. & DONNA M. WAYNE	6 / 5.1	2.0
S99	EARLY O. & DEBRA E. DALRYMPLE	6 / 5.4	0.23
S100	JEFFERY SCOTT & KERRI L. DALRYMPLE	6 / 5.10	0.5
S101	EARLY O. & DEBRA E. DALRYMPLE	6 / 5.6	1.75
S102	STACY L. BILLS & RONALD A. MORGAN	6 / 5.2	1.5
S103	EARLY O. & DEBRA E. DALRYMPLE	6 / 5.7	0.2
S104	MIDDLE ISLAND CREEK/ STATE OF WEST VIRGINIA DNR		4.81 calc.

47-073-02578 H6A

P.S. 708

David L. Jackson



Jay Bee Oil & Gas

DRILLING into the future

OPERATOR'S  
 WELL #: P4N2U - 02578  
 DISTRICT: UNION  
 COUNTY: PLEASANTS  
 STATE: WV

WELL PLAT  
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 DATE: 12/10/2018  
 REVISED: 03/06/2019



form ww6

**JAY BEE OIL & GAS INC**  
**P4N2U UNIT BOUNDARY AREA -**  
**155.0557 ACRES ±**

Tract Letter	Tract #	District	Tax Map	Parcel #	Oil & Gas Owners
A	P7019	Union	11	16	John A. & Edith U. Smith
A	P7019	Union	11	16	Antero Resources Corporation
B	P7190	Union	6	106	John A. & Edith U. Smith
B	P7190	Union	6	106	Antero Resources Corporation
B	P7190	Union	6	106	Tillie Capp
B	P7190	Union	6	106	Antero Resources Corporation
B	P7190	Union	6	106	John Capp
B	P7190	Union	6	106	Antero Resources Corporation
B	P7190	Union	6	106	Lynn Blakney
B	P7190	Union	6	106	Antero Resources Corporation
B	P7190	Union	6	106	Alaina Marie Snodgrass
B	P7190	Union	6	106	Antero Resources Corporation
B	P7190	Union	6	106	Chester D. Elliott, Jr.
B	P7190	Union	6	106	Clarence Wesley Casey
B	P7190	Union	6	106	Martha E. Fischer
B	P7190	Union	6	106	Rollin Franklin Casey
B	P7190	Union	6	106	David Lee Casey
B	P7190	Union	6	106	William Edward Casey
B	P7190	Union	6	106	Diane Lynn Whitehill
B	P7190	Union	6	106	Daniel Arthur Rose
B	P7190	Union	6	106	Deborah Sue Naeser
B	P7190	Union	6	106	Colleen Rose Schwoerke
B	P7190	Union	6	106	Brian K. Simpson
B	P7190	Union	6	106	Debra G. Simpson
B	P7190	Union	6	106	Richard Lynn Casey
B	P7190	Union	6	106	Timothy Eric Casey
B	P7190	Union	6	106	Deborah Jean Peoples
B	P7190	Union	6	106	Jerry Lee Simpson
B	P7190	Union	6	106	Roger W. Sloan
B	P7190	Union	6	106	Tammy Hammett Smith, Pleasants County Special Receiver
C	P7072	Union	6	90.3	Frederick M. Dean Rohrig Trust
D	P7077A	Union	6	p/o 90.1	Katherine Louise Fleming
D	P7077B	Union	6	p/o 90.1	Katherine Louise Fleming
D	P7077C	Union	6	p/o 90.1	Katherine Louise Fleming
E	P7196C2	Union	11	p/o 13	Union Bank, Inc. Timothy R. Aiken, President & CEO
E	P7196C2	Union	11	p/o 13	Pamela Jo & Charles R. Bowie
E	P7196	Union	11	p/o 13	Phillip B. Baird
E	P7196	Union	11	p/o 13	Union Bank, Inc. Timothy R. Aiken, President & CEO
E	P7196	Union	11	p/o 13	David Wade
E	P7196	Union	11	p/o 13	Allan Zaring
E	P7196	Union	11	p/o 13	Melvin Cheney Trust No. 1 Melvin Cheney & M. Nadine Cheney, Trustees
E	P7196	Union	11	p/o 13	Ronald D. Alexander
E	P7196	Union	11	p/o 13	Donald Hartley
E	P7196	Union	11	p/o 13	Janet LaForce
E	P7196	Union	11	p/o 13	Francis L. McKee
E	P7196	Union	11	p/o 13	Helen Ann Hodkins
E	P7196	Union	11	p/o 13	Dorothy LaVerne Lee
E	P7196	Union	11	p/o 13	Robert R. Reynolds
E	P7196	Union	11	p/o 13	Marilyn Sue Ryan
E	P7196	Union	11	p/o 13	Presbyterian Church U.S.A. Foundation c/o: Farmers National Company, Agent Attn: Debbie Pringer
E	P7196	Union	11	p/o 13	Blanche Day
E	P7196	Union	11	p/o 13	Robert L. Boles
E	P7196	Union	11	p/o 13	Janice Elaine Weisenhorn
E	P7196	Union	11	p/o 13	Betty Levings
E	P7196	Union	11	p/o 13	Mary Lou Callahan
E	P7196	Union	11	p/o 13	Beulah Embree
E	P7196	Union	11	p/o 13	Mercy Zavattero
E	P7196	Union	11	p/o 13	Judith E. McKee
E	P7196	Union	11	p/o 13	Robert Davis
E	P7196	Union	11	p/o 13	Mary Jane Halbert
E	P7196	Union	11	p/o 13	Verna Herman
E	P7196	Union	11	p/o 13	Doris McKee
E	P7196	Union	11	p/o 13	Clyde M. Reams
E	P7196	Union	11	p/o 13	Nadine L. Reams
E	P7196	Union	11	p/o 13	Linda Kay Roberts
E	P7196	Union	11	p/o 13	Alberta Johnson
E	P7196	Union	11	p/o 13	Joanna M. Boles Living Trust c/o: Gregory L. Boles, Trustee
E	P7196	Union	11	p/o 13	Mary Lee Tecca
E	P7196	Union	11	p/o 13	Kayla Ware
E	P7196	Union	11	p/o 13	Denise Isom
E	P7196	Union	11	p/o 13	Allen McGee
E	P7196	Union	11	p/o 13	General Board of Global Ministries of The United Methodist Church
E	P7196	Union	11	p/o 13	Tammy Hammett Smith, Pleasants County Special Receiver
F	P7196C1	Union	6	p/o 91	Union Bank, Inc. Timothy R. Aiken, President & CEO
F	P7196C1	Union	6	p/o 91	Pamela Jo & Charles R. Bowie
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Phillip B. Baird
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Union Bank, Inc. Timothy R. Aiken, President & CEO
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Joan Miller Griffin By Kenneth L. Griffin, POA
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Pamela Barre
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	David Wade
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Allan Zaring
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Melvin Cheney Trust No. 1 Melvin Cheney & M. Nadine Cheney, Trustees
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	United Methodist Church of New Matamoras W.D. Cochran, Chair of Finance Committee
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Ronald D. Alexander
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Donald Hartley
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Janet LaForce
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Francis L. McKee
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Helen Ann Hodkins
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Dorothy LaVerne Lee
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Robert R. Reynolds
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Marilyn Sue Ryan
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Presbyterian Church U.S.A. Foundation c/o: Farmers National Company, Agent Attn: Debbie Pringer
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Blanche Day
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Alberta Johnson
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Robert L. Boles
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Mary Lou Callahan
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Betty Levings
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Beulah Embree
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Janice Elaine Weisenhorn
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Margaret Elizabeth Gentes
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Judith E. McKee
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	William Richard Glasby
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Samuel L. McEldowney
F, E	P7196B	Union	6; 11	p/o 91; p/o 13	Robert Davis



P.S. 708 *David L. Jackson*



**Jay Bee Oil & Gas**  
**DRILLING**  
 into the future

OPERATOR'S  
 WELL #: P4N2U - 02578  
 DISTRICT: UNION  
 COUNTY: PLEASANTS  
 STATE: WV

WELL PLAT  
 PAGE 3 OF 7  
 DATE: 12/10/2018  
 REVISED: 03/06/2019



**JAY BEE OIL & GAS INC**  
**P4N2U UNIT BOUNDARY AREA -**  
**155.0557 ACRES ±**

Tract Letter	Tract #	District	Tax Map	Parcel #	Oil & Gas Owners
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Mary Jane Halbert
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Verna Herman
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Doris McKee
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Clyde M. Reams
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Nadine L. Reams
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Linda Kay Roberts
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Sarepta Ostrum c/o Daniel Ostrum
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Julie Elizabeth Pierpont
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Deborah Lynne Krieger
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	M. Jebb Linch
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Karen A. Calentine
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Joanna M. Boles Living Trust c/o: Gregory L. Boles, Trustee
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Mary Lee Tecca
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Dennis S. Steele
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Kayla Ware
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Denise Isom
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Allen McGee
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	General Board of Global Ministries of The United Methodist Church
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Daniel Linch
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Mark Levi Morgan
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	John Chadderdon
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Camille Rachel Blake
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Tammy Hammetts Smith, Pleasants County Special Receiver
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Kathy Linch Wagner
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Joe P. Miller
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Gerry C. (Click) Alspaugh
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Alan E. Amos
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Julianna Leigh Scott
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Bethany Suzanne Scott
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	New Matamoros Emergency Squad
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	David R. Amos
F, E	P7196B	Union	6, 11	p/o 91; p/o 13	Carole L. Howison
G	P7077F	Union	6	88	Joye Y. Lockhart
G	P7077F	Union	6	88	Chester Arian Brammer
G	P7077F	Union	6	88	Sean L. Williams
G	P7077F	Union	6	88	Cheryll M. Sundberg
H, J	P7077D	Union	6	87, 89	Rodney Ray Holmes
H, J	P7077D	Union	6	87, 89	Craig Allen Holmes
I	P7191A	Union	6	90	Douglas D. & Lori K. Renner (JTROS)
K, L	P7077E	Union	6	98 & 107	Frederick M. Dean Rohrig Trust
M, N	P7192C	Union	6	75.3, 75.5	Susan Victoria Adams
M, N	P7192C	Union	6	75.3, 75.5	Sharon McGee
M, N	P7192C	Union	6	75.3, 75.5	June Tabb
M, N	P7192C	Union	6	75.3, 75.5	Larry Dale Smith
M, N	P7192C	Union	6	75.3, 75.5	Kathy D. Schroeder
M, N	P7192C	Union	6	75.3, 75.5	Charles R. Smith
M, N	P7192C	Union	6	75.3, 75.5	Martha Hunt
M, N	P7192C	Union	6	75.3, 75.5	Patricia Estelle Wells
M, N	P7192C	Union	6	75.3, 75.5	Jeanette Marlene Brakeman
M, N	P7192C	Union	6	75.3, 75.5	Linda Meston
M, N	P7192C	Union	6	75.3, 75.5	Barbara Opal Stuart
M, N	P7192C	Union	6	75.3, 75.5	Helen Wescott
M, N	P7192C	Union	6	75.3, 75.5	Lori J. Smith
M, N	P7192C	Union	6	75.3, 75.5	Treva M. & Ronald R. Burris
M, N	P7192C	Union	6	75.3, 75.5	Chester L. & Peggy D. Smith
M, N	P7192C	Union	6	75.3, 75.5	Pat Allen Bates
M, N	P7192C	Union	6	75.3, 75.5	Mark W. Bates
M, N	P7192C	Union	6	75.3, 75.5	Jerry L. Morgan
M, N	P7192C	Union	6	75.3, 75.5	Glenda M. Morgan
M, N	P7192C	Union	6	75.3, 75.5	Carol J. McAlhaney
M, N	P7192C	Union	6	75.3, 75.5	Richard E. Dutton
M, N	P7192C	Union	6	75.3, 75.5	Connie L. Brown
M, N	P7192C	Union	6	75.3, 75.5	Michael L. Bates
M, N	P7192C	Union	6	75.3, 75.5	Joann Smith
M, N	P7192C	Union	6	75.3, 75.5	William T. Smith
M, N	P7192C	Union	6	75.3, 75.5	Mary R. Smith
M, N	P7192C	Union	6	75.3, 75.5	Howard Raymond
M, N	P7192C	Union	6	75.3, 75.5	Lisa A. Debban
M, N	P7192C	Union	6	75.3, 75.5	Max C. Bates
M, N	P7192C	Union	6	75.3, 75.5	Kathryn R. Myers
M, N	P7192C	Union	6	75.3, 75.5	Isaac Washington
M, N	P7192C	Union	6	75.3, 75.5	Cheyenne Washington
M, N	P7192C	Union	6	75.3, 75.5	Cheryl Ann Patrick
M, N	P7192C	Union	6	75.3, 75.5	Constance J. Eneboe c/o De Ann Gutierrez POA
M, N	P7192C	Union	6	75.3, 75.5	Patty Cox
M, N	P7192C	Union	6	75.3, 75.5	Betty Jean Bailey
M, N	P7192C	Union	6	75.3, 75.5	James Oscar Smith, Jr.
M, N	P7192C	Union	6	75.3, 75.5	Betty Jane Cottle
M, N	P7192C	Union	6	75.3, 75.5	Carl Edward Smith
M, N	P7192C	Union	6	75.3, 75.5	James A. Daily
M, N	P7192C	Union	6	75.3, 75.5	Jerry Ellis
M, N	P7192C	Union	6	75.3, 75.5	Joseph Ellis
M, N	P7192C	Union	6	75.3, 75.5	Pamela Kyle
M, N	P7192C	Union	6	75.3, 75.5	Richard Marcus Marshall
M, N	P7192C	Union	6	75.3, 75.5	Samuel W. Marshall
M, N	P7192C	Union	6	75.3, 75.5	Leroy P. Stanford
M, N	P7192C	Union	6	75.3, 75.5	Timothy S. Myers
M, N	P7192C	Union	6	75.3, 75.5	Clifford W. Smith
M, N	P7192C	Union	6	75.3, 75.5	Mario Griego
M, N	P7192C	Union	6	75.3, 75.5	Robert H. Goss Marital Trust Robert H. Goss, Trustee
M, N	P7192C	Union	6	75.3, 75.5	Juliann Marie Brooks
M, N	P7192C	Union	6	75.3, 75.5	Carol Sue Cooke Family Trust John G. Kipp, Trustee
M, N	P7192C	Union	6	75.3, 75.5	Elaine Stanford
M, N	P7192C	Union	6	75.3, 75.5	John Erik Scheidegger
M, N	P7192C	Union	6	75.3, 75.5	Sasha N. Van Roy
M, N	P7192C	Union	6	75.3, 75.5	Tammy Hammett Smith, Pleasants County Special Receiver
O, W	P7032	Union	6	95, 95.1	Frederick M. Dean Rohrig Trust



47-073-02578

P.S. 708 *David J. Jackson*



Jay Bee Oil & Gas

DRILLING into the future

OPERATOR'S WELL #: P4N2U - 02578  
 DISTRICT: UNION  
 COUNTY: PLEASANTS  
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**JAY BEE OIL & GAS INC**  
**P4N2U UNIT BOUNDARY AREA -**  
**155.0557 ACRES ±**

Tract Letter	Tract #	District	Tax Map	Parcel #	Oil & Gas Owners
P	P7188C	Union	6	78.1	Stephen E. & Amy J. Grose
V, S, Q	P7188	Union	6	78.4, 78.5, 78.6	Culpepper Cattle Company Inc.
R	P7188D	Union	6	78	Ronald D. Tucker
T	P7188B	Union	6	78.2	Harold J & Edna I. Kimball
U	P7188A	Union	6	78.3	Miranda L. Bunner
X	P7192B	Union	6	77	R. William & Annelle Edwards
CC, DD, BB, Y, Z, AA	P7075A	Union	6	46, 46.3, 76, 76.1, 76.2 & 76.3	Frederick M. Dean Rohrig Trust
CC, DD, BB, Y, Z, AA	P7075A	Union	6	46, 46.3, 76, 76.1, 76.2 & 76.3	Ridgetop Capital IV, LP
EE	P7192	Union	6	75	Susan Victoria Adams
EE	P7192	Union	6	75	Elaine Stanford
EE	P7192	Union	6	75	Linda Meston
EE	P7192	Union	6	75	Patricia Estelle Wells
EE	P7192	Union	6	75	Barbara Opal Stuart
EE	P7192	Union	6	75	Jeanette Marlene Brakeman
EE	P7192	Union	6	75	Sharon McGee
EE	P7192	Union	6	75	June Tabb
EE	P7192	Union	6	75	Larry Dale Smith
EE	P7192	Union	6	75	Kathy D. Schroeder
EE	P7192	Union	6	75	Charles R. Smith
EE	P7192	Union	6	75	Martha Hunt
EE	P7192	Union	6	75	Helen Wescott
EE	P7192	Union	6	75	Jack E. & Hilda M. Renner
EE	P7192	Union	6	75	Lori J. Smith
EE	P7192	Union	6	75	Treva M. & Ronald R. Burris
EE	P7192	Union	6	75	Chester L. & Peggy D. Smith
EE	P7192	Union	6	75	Pat Allen Bates
EE	P7192	Union	6	75	Mark W. Bates
EE	P7192	Union	6	75	Jerry L. Morgan
EE	P7192	Union	6	75	Glenda M. Morgan
EE	P7192	Union	6	75	Carol J. McAlhane
EE	P7192	Union	6	75	Richard E. Dutton
EE	P7192	Union	6	75	Connie L. Brown
EE	P7192	Union	6	75	Michael L. Bates
EE	P7192	Union	6	75	Joann Smith
EE	P7192	Union	6	75	William T. Smith
EE	P7192	Union	6	75	Mary R. Smith
EE	P7192	Union	6	75	Howard Raymond
EE	P7192	Union	6	75	Lisa A. Debban
EE	P7192	Union	6	75	Max C. Bates
EE	P7192	Union	6	75	Kathryn R. Myers
EE	P7192	Union	6	75	Isaac Washington
EE	P7192	Union	6	75	Cheyenne Washington
EE	P7192	Union	6	75	Cheryl Ann Patrick
EE	P7192	Union	6	75	Constance J. Eneboe c/o De Ann Gutierrez POA
EE	P7192	Union	6	75	Patty Cox
EE	P7192	Union	6	75	Betty Jean Bailey
EE	P7192	Union	6	75	James Oscar Smith, Jr.
EE	P7192	Union	6	75	Betty Jane Cottle
EE	P7192	Union	6	75	Carl Edward Smith
EE	P7192	Union	6	75	James A. Daily
EE	P7192	Union	6	75	Jerry Ellis
EE	P7192	Union	6	75	Joseph Ellis
EE	P7192	Union	6	75	Pamela Kyle
EE	P7192	Union	6	75	Richard Marcus Marshall
EE	P7192	Union	6	75	Carol Sue Cooke Family Trust John G. Kipp, Trustee
EE	P7192	Union	6	75	Samuel W. Marshall
EL	P7192	Union	6	75	Leroy P. Stanford
EE	P7192	Union	6	75	Clifford W. Smith, Jr.
EE	P7192	Union	6	75	Mario Griego
EE	P7192	Union	6	75	Robert H. Goss Marital Trust Robert H. Goss, Trustee
EE	P7192	Union	6	75	Juliann Marie Brooks
EE	P7192	Union	6	75	John Erik Scheidegger
EE	P7192	Union	6	75	Sasha N. Van Roy
EE	P7192	Union	6	75	Tammy Hammett Smith, Pleasants County Special Receiver
FF	P7045	Union	6	47	Frederick M. Dean Rohrig Trust
GG	P7184	Union	6	34	Daniel Kiggans
GG	P7184	Union	6	34	Charlotte M. Adams
GG	P7184	Union	6	34	Ronald L. Adams Trust f/b/o Carol Adams
GG	P7184	Union	6	34	Barbara A. Fowler
GG	P7184	Union	6	34	James S. Lucas
GG	P7184	Union	6	34	Dora M. Lucas
GG	P7184	Union	6	34	Velma Jean Stull
GG	P7184	Union	6	34	Sherry L. Lucas
GG	P7184	Union	6	34	Gary Richard Lucas
GG	P7184	Union	6	34	Melba J. Hall
GG	P7184	Union	6	34	Gary Dale Adams
GS	P7184	Union	6	34	Kendall E. Watson
GG	P7184	Union	6	34	Esther M. Dearth
GG	P7184	Union	6	34	William L. Campbell
GG	P7184	Union	6	34	Irene M. Kemp
GG	P7184	Union	6	34	Judy Kay Ridgway
GG	P7184	Union	6	34	Tinna Marie Adams
GG	P7184	Union	6	34	Leanna K. Unklesbay
GG	P7184	Union	6	34	Linda L. Burke
GG	P7184	Union	6	34	Cheryl D. Freund
GG	P7184	Union	6	34	Vickie J. Martin
GG	P7184	Union	6	34	Pamela R. Wilson
GG	P7184	Union	6	34	Sherlene Smearman
GG	P7184	Union	6	34	Timothy Kiggans
GG	P7184	Union	6	34	Mary Lou Richardson
GG	P7184	Union	6	34	Susan K. Sampson
GG	P7184	Union	6	34	Roy D. Kiggans
GG	P7184	Union	6	34	Terri Louise Hinshaw
GG	P7184	Union	6	34	Delores Williamson
GG	P7184	Union	6	34	Carl W Nurmi
GG	P7184	Union	6	34	James Baker
GG	P7184	Union	6	34	Matthew A Kiggans
GG	P7184	Union	6	34	Jana L. Rine
GG	P7184	Union	6	34	Rhonda Sue Kukor



P.S. 708

*David L. Jackson*

47-073-02578



Jay Bee Oil & Gas

DRILLING into the future

OPERATOR'S  
 WELL #: P4N2U - 02578  
 DISTRICT: UNION  
 COUNTY: PLEASANTS  
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**JAY BEE OIL & GAS INC  
P4N2U UNIT BOUNDARY AREA -  
155.0557 ACRES ±**

Tract Letter	Tract #	District	Tax Map	Parcel #	Oil & Gas Owners
GG	P7184	Union	6	34	June Ann Adams
GG	P7184	Union	6	34	Kimberly A Smith
GG	P7184	Union	6	34	Mary L. Trew
GG	P7184	Union	6	34	Frank Slider
GG	P7184	Union	6	34	Clara Watson
GG	P7184	Union	6	34	Curtis A. Adams
GG	P7184	Union	6	34	Carol K. Pappas
GG	P7184	Union	6	34	Jackue Fowles
GG	P7184	Union	6	34	Pamela Kay Mendrick
GG	P7184	Union	6	34	Kenya Rae Herstine
GG	P7184	Union	6	34	Sandra Sue Adams
GG	P7184	Union	6	34	Lewis P. Nurmi
GG	P7184	Union	6	34	Diana D. Wolverson
GG	P7184	Union	6	34	Karen L.Shorts
GG	P7184	Union	6	34	Amy J Adams
GG	P7184	Union	6	34	Barbara Freeman
GG	P7184	Union	6	34	James S Watson
GG	P7184	Union	6	34	Mary Ellen Morris
GG	P7184	Union	6	34	Pamela Sue Shannon
GG	P7184	Union	6	34	Teresa A. McFadyen
GG	P7184	Union	6	34	Ray O'Neal Hanlin
GG	P7184	Union	6	34	Kathy J Gooden
GG	P7184	Union	6	34	Nedra Jean Osso
GG	P7184	Union	6	34	Carrie Anne Sims
GG	P7184	Union	6	34	Michelle Ann Askensase
GG	P7184	Union	6	34	Kay Rene Toothman
GG	P7184	Union	6	34	Heather Raye Hughart
GG	P7184	Union	6	34	Roxanne E Wilson
GG	P7184	Union	6	34	David M Domoracki
GG	P7184	Union	6	34	Charles Richard Miller
GG	P7184	Union	6	34	Karen Oldfield
GG	P7184	Union	6	34	Brittany L Adams
GG	P7184	Union	6	34	Denver Clark Adams
GG	P7184	Union	6	34	Donald E. Adams
GG	P7184	Union	6	34	George Steve Adams
GG	P7184	Union	6	34	Lloyd Coleman Adams, Jr.
GG	P7184	Union	6	34	Paul E. Barlow, Jr.
GG	P7184	Union	6	34	Helen Burris
GG	P7184	Union	6	34	Krystal Williamson Crim
GG	P7184	Union	6	34	Debra Ann Fogle
GG	P7184	Union	6	34	Miles S Light
GG	P7184	Union	6	34	L Lyn Miller
GG	P7184	Union	6	34	Larry Dale Nicholson
GG	P7184	Union	6	34	Judith Lynn Thompson
GG	P7184	Union	6	34	Sharon June Winland
GG	P7184	Union	6	34	Rebecca Louise Wright
GG	P7184	Union	6	34	Cheryl DeVaney Haymond
GG	P7184	Union	6	34	Tessy L. Carr
GG	P7184	Union	6	34	Raymond Scott Runkle
GG	P7184	Union	6	34	Donna Rae Smith
GG	P7184	Union	6	34	Doreen Lee Freeman
GG	P7184	Union	6	34	Debra S Batton
GG	P7184	Union	6	34	John E. Barlow Revocable Trust co Sarah Deane Barlow
GG	P7184	Union	6	34	Marie T. Williamson
GG	P7184	Union	6	34	Harry D. Domoracki
GG	P7184	Union	6	34	Shelia A. Halsey
GG	P7184	Union	6	34	Debra Ann Clark
GG	P7184	Union	6	34	Martha Stevens
GG	P7184	Union	6	34	Crystal Dawn Barnes
GG	P7184	Union	6	34	Edward Eugene Bilderback
GG	P7184	Union	6	34	James Bruce Bilderback
GG	P7184	Union	6	34	Cathleen J Cox
GG	P7184	Union	6	34	John M. DeMicco, Jr.
GG	P7184	Union	6	34	Billy D Hanlin
GG	P7184	Union	6	34	Robert L. Heinlein
GG	P7184	Union	6	34	Melissa Jo Meyer
GG	P7184	Union	6	34	Frances Ann Nicholson
GG	P7184	Union	6	34	Elizabeth Joy Peckens
GG	P7184	Union	6	34	Monica L. Randles
GG	P7184	Union	6	34	Tammy Hammetts Smith, Pleasants County Special Receiver
GG	P7184	Union	6	34	Bobbie Dewayne Snyder
GG	P7184	Union	6	34	Brenda Kay Starinsky
GG	P7184	Union	6	34	Pamela Fucy
GG	P7184	Union	6	34	Mark Adams
GG	P7184	Union	6	34	Barry Adams
GG	P7184	Union	6	34	Linda Adams
HH	P7185	Union	6	45	Lenora Renner
HH	P7185	Union	6	45	James Renner
II	P7180	Union	6	28	Triad Hunter LLC
II	P7180	Union	6	28	William D. Payne & Jodi L. Green
KK	P7181B	Union	6	29	Paul O Dustman
KK	P7181B	Union	6	29	David P. Kaminsky
KK	P7181B	Union	6	29	Jane E. Fisher
KK	P7181B	Union	6	29	Harry Thurman Fisher
KK	P7181B	Union	6	29	Jonita Harder
KK	P7181B	Union	6	29	Michelle Rene Sherwood-Stark
KK	P7181B	Union	6	29	Rose Ann Garren
KK	P7181B	Union	6	29	Waco Oil & Gas Co.
KK	P7181B	Union	6	29	Waco Oil & Gas Co.
KK	P7181B	Union	6	29	Vicky L Black
KK	P7181B	Union	6	29	Betty Ann Fisher
KK	P7181B	Union	6	29	Lesley Wahl-Marano
KK	P7181B	Union	6	29	Ruth G. Fisher
KK	P7181B	Union	6	29	Carl R Johnson



P.S. 708 *David L. Jackson*

47-073-02578



Jay Bee Oil & Gas  
DRILLING into the future

OPERATOR'S  
WELL #: P4N2U - 02578  
DISTRICT: UNION  
COUNTY: PLEASANTS  
STATE: WV

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form ww6

**JAY BEE OIL & GAS INC**  
**P4N2U UNIT BOUNDARY AREA -**  
**155.0557 ACRES ±**

Tract Letter	Tract #	District	Tax Map	Parcel #	Oil & Gas Owners
KK	P7181B	Union	6	29	Harold Lowell Smallwood, Jr.
KK	P7181B	Union	6	29	Dorothy H. Dohse
KK	P7181B	Union	6	29	Skye E. Blair
KK	P7181B	Union	6	29	Edward Wayne Howard
KK	P7181B	Union	6	29	Guy Bruce Barnby
KK	P7181B	Union	6	29	Cynthia B. Yunko
KK	P7181B	Union	6	29	Debbie Barnby
KK	P7181B	Union	6	29	Gaye Lynn Plona
KK	P7181B	Union	6	29	Pamela Jane Nauss
KK	P7181B	Union	6	29	Janet Ann Hughes
KK	P7181B	Union	6	29	Stephen S. Bell
KK	P7181B	Union	6	29	Sheryl Kaye Humphrey
KK	P7181B	Union	6	29	Tammy Hammetts Smith, Pleasants County Special Receiver
LL	P7181A	Union	6	19	Waco Oil & Gas Co.
LL	P7181A	Union	6	19	Jan Martin Pira
LL	P7181A	Union	6	19	Gunnar Folke Pira
LL	P7181A	Union	6	19	Lewis Edward Pira
LL	P7181A	Union	6	19	Lauren Elisabeth Nelson
LL	P7181A	Union	6	19	Barron U Kidd
MM	MIC 4	Union	Middle	Island Creek	State of West Virginia Division of Natural Resources

**Note: MM (MIC4) is a force-pooled tract.**



47-078-02578

P.S. 708 *David L. Jackson*

\* All information provided by Jay Bee Oil & Gas



Jay Bee Oil & Gas  
**DRILLING**  
 into the future

OPERATOR'S  
 WELL #: P4N2U - 02578  
 DISTRICT: UNION  
 COUNTY: PLEASANTS  
 STATE: WV

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P4N2U Exhibit to WW 6A1										
Tract Letter	Tract #	District	County	Tax Map	Parcel #	Document Type Description	Grantor/Lessor	Grantee/Lessee	Royalty Rate	BK/Pg
✓ A	P7019	Union	Pleasants	11	16	Governing Lease	John A. & Edith U. Smith	Antero Resources Corporation	≥ 12.5%	301/674
✓ A	P7019	Union	Pleasants	11	16	Assignment	Antero Resources Corporation	BB Land, LLC	Assignment	318/620
B ✓	P7190	Union	Pleasants	6	106	Governing Lease	John A. & Edith U. Smith	Antero Resources Corporation	≥ 12.5%	301/674
B ✓	P7190	Union	Pleasants	6	106	Assignment	Antero Resources Corporation	BB Land, LLC	Assignment	318/620
B ✓	P7190	Union	Pleasants	6	106	Governing Lease	Tillie Capp	Antero Resources Corporation	≥ 12.5%	303/372
B ✓	P7190	Union	Pleasants	6	106	Assignment	Antero Resources Corporation	BB Land, LLC	Assignment	318/620
B	P7190	Union	Pleasants	6	106	Governing Lease	John Capp	Antero Resources Corporation	≥ 12.5%	303/462
B	P7190	Union	Pleasants	6	106	Assignment	Antero Resources Corporation	BB Land, LLC	Assignment	318/620
B	P7190	Union	Pleasants	6	106	Governing Lease	Lynn Blakney	Antero Resources Corporation	≥ 12.5%	304/232
B	P7190	Union	Pleasants	6	106	Assignment	Antero Resources Corporation	BB Land, LLC	Assignment	318/620
B	P7190	Union	Pleasants	6	106	Governing Lease	Alaina Marie Snodgrass	Antero Resources Corporation	≥ 12.5%	304/236
B	P7190	Union	Pleasants	6	106	Assignment	Antero Resources Corporation	BB Land, LLC	Assignment	318/620
B	P7190	Union	Pleasants	6	106	Lease	Chester D. Elliott, Jr.	BB Land, LLC	≥ 12.5%	304/111
B	P7190	Union	Pleasants	6	106	Lease	Clarence Wesley Casey	BB Land, LLC	≥ 12.5%	304/146
B	P7190	Union	Pleasants	6	106	Lease	Martha E. Fischer	BB Land, LLC	≥ 12.5%	305/084
B	P7190	Union	Pleasants	6	106	Lease	Rollin Franklin Casey	BB Land, LLC	≥ 12.5%	305/087
B	P7190	Union	Pleasants	6	106	Lease	David Lee Casey	BB Land, LLC	≥ 12.5%	305/090
B	P7190	Union	Pleasants	6	106	Lease	William Edward Casey	BB Land, LLC	≥ 12.5%	305/093
B	P7190	Union	Pleasants	6	106	Lease	Diane Lynn Whitehill	BB Land, LLC	≥ 12.5%	309/502
B	P7190	Union	Pleasants	6	106	Lease	Daniel Arthur Rose	BB Land, LLC	≥ 12.5%	318/282
B	P7190	Union	Pleasants	6	106	Lease	Deborah Sue Naeser	BB Land, LLC	≥ 12.5%	318/285
B	P7190	Union	Pleasants	6	106	Lease	Colleen Rose Schwoerke	BB Land, LLC	≥ 12.5%	318/288
B	P7190	Union	Pleasants	6	106	Lease	Brian K. Simpson	BB Land, LLC	≥ 12.5%	318/454
B	P7190	Union	Pleasants	6	106	Lease	Debra G. Simpson	BB Land, LLC	≥ 12.5%	318/457
B	P7190	Union	Pleasants	6	106	Lease	Richard Lynn Casey	BB Land, LLC	≥ 12.5%	319/433
B	P7190	Union	Pleasants	6	106	Lease	Timothy Eric Casey	BB Land, LLC	≥ 12.5%	319/436
B	P7190	Union	Pleasants	6	106	Lease	Deborah Jean Peoples	BB Land, LLC	≥ 12.5%	319/439
B	P7190	Union	Pleasants	6	106	Lease	Jerry Lee Simpson	BB Land, LLC	≥ 12.5%	319/442
B	P7190	Union	Pleasants	6	106	Lease	Roger W. Sloan	BB Land, LLC	≥ 12.5%	319/445
B	P7190	Union	Pleasants	6	106	Lease	Tammy Hammett Smith, Pleasants County Special Receiver	BB Land, LLC	≥ 12.5%	322/124
C	P7072	Union	Pleasants	6	90.3	Deed	Frederick M. Dean Rohrig Trust	Jay-Bee Royalty	≥ 12.5%	294/207
D	P7077A	Union	Pleasants	6	p/o 90.1	Lease	Katherine Louise Fleming	BB Land, LLC	≥ 12.5%	318/237
D	P7077B	Union	Pleasants	6	p/o 90.1	Lease	Katherine Louise Fleming	BB Land, LLC	≥ 12.5%	318/237
D	P7077C	Union	Pleasants	6	p/o 90.1	Lease	Katherine Louise Fleming	BB Land, LLC	≥ 12.5%	318/237
E	P7196C2	Union	Pleasants	11	p/o 13	Lease	Union Bank, Inc. Timothy R. Aiken, President & CEO	BB Land, LLC	≥ 12.5%	308/541
E	P7196C2	Union	Pleasants	11	p/o 13	Lease	Pamela Jo & Charles R. Bowie	BB Land, LLC	≥ 12.5%	318/307
E	P7196	Union	Pleasants	11	p/o 13	Deed	Phillip B. Baird	Jay-Bee Royalty	≥ 12.5%	320/297
E	P7196	Union	Pleasants	11	p/o 13	Lease	Union Bank, Inc. Timothy R. Aiken, President & CEO	BB Land, LLC	≥ 12.5%	308/541
E	P7196	Union	Pleasants	11	p/o 13	Lease	David Wade	BB Land, LLC	≥ 12.5%	313/486
E	P7196	Union	Pleasants	11	p/o 13	Lease	Allan Zaring	BB Land, LLC	≥ 12.5%	313/489
E	P7196	Union	Pleasants	11	p/o 13	Lease	Melvin Cheney Trust No. 1 Melvin Cheney & M. Nadine Cheney, Trustees	BB Land, LLC	≥ 12.5%	313/492

E	P7196	Union	Pleasants	11	p/o 13	Lease	Ronald D. Alexander	BB Land, LLC	≥ 12.5%	313/562
E	P7196	Union	Pleasants	11	p/o 13	Lease	Donald Hartley	BB Land, LLC	≥ 12.5%	313/565
E	P7196	Union	Pleasants	11	p/o 13	Lease	Janet LaForce	BB Land, LLC	≥ 12.5%	313/568
E	P7196	Union	Pleasants	11	p/o 13	Lease	Francis L. McKee	BB Land, LLC	≥ 12.5%	313/571
E	P7196	Union	Pleasants	11	p/o 13	Lease	Helen Ann Hodkins	BB Land, LLC	≥ 12.5%	313/574
E	P7196	Union	Pleasants	11	p/o 13	Lease	Dorothy LaVerne Lee	BB Land, LLC	≥ 12.5%	313/577
E	P7196	Union	Pleasants	11	p/o 13	Lease	Robert R. Reynolds	BB Land, LLC	≥ 12.5%	313/580
E	P7196	Union	Pleasants	11	p/o 13	Lease	Marilyn Sue Ryan	BB Land, LLC	≥ 12.5%	313/583
E	P7196	Union	Pleasants	11	p/o 13	Lease	Farmers National Company, Agent Attn: Debbie Pringer	BB Land, LLC	≥ 12.5%	313/586
E	P7196	Union	Pleasants	11	p/o 13	Lease	Blanche Day	BB Land, LLC	≥ 12.5%	314/352
E	P7196	Union	Pleasants	11	p/o 13	Lease	Robert L. Boles	BB Land, LLC	≥ 12.5%	315/207
E	P7196	Union	Pleasants	11	p/o 13	Lease	Janice Elaine Weisenhorn	BB Land, LLC	≥ 12.5%	317/148
E	P7196	Union	Pleasants	11	p/o 13	Lease	Betty Levings	BB Land, LLC	≥ 12.5%	317/376
E	P7196	Union	Pleasants	11	p/o 13	Lease	Mary Lou Callahan	BB Land, LLC	≥ 12.5%	317/379
E	P7196	Union	Pleasants	11	p/o 13	Lease	Beulah Embree	BB Land, LLC	≥ 12.5%	317/382
E	P7196	Union	Pleasants	11	p/o 13	Lease	Mercy Zavattero	BB Land, LLC	≥ 12.5%	318/291
E	P7196	Union	Pleasants	11	p/o 13	Lease	Judith E. McKee	BB Land, LLC	≥ 12.5%	318/297
E	P7196	Union	Pleasants	11	p/o 13	Lease	Robert Davis	BB Land, LLC	≥ 12.5%	318/460
E	P7196	Union	Pleasants	11	p/o 13	Lease	Mary Jane Halbert	BB Land, LLC	≥ 12.5%	318/463
E	P7196	Union	Pleasants	11	p/o 13	Lease	Verna Herman	BB Land, LLC	≥ 12.5%	318/466
E	P7196	Union	Pleasants	11	p/o 13	Lease	Doris McKee	BB Land, LLC	≥ 12.5%	318/469
E	P7196	Union	Pleasants	11	p/o 13	Lease	Clyde M. Reams	BB Land, LLC	≥ 12.5%	318/472
E	P7196	Union	Pleasants	11	p/o 13	Lease	Nadine L. Reams	BB Land, LLC	≥ 12.5%	318/475
E	P7196	Union	Pleasants	11	p/o 13	Lease	Linda Kay Roberts	BB Land, LLC	≥ 12.5%	318/478
E	P7196	Union	Pleasants	11	p/o 13	Lease	Alberta Johnson	BB Land, LLC	≥ 12.5%	319/118
E	P7196	Union	Pleasants	11	p/o 13	Lease	Joanna M. Boles Living Trust c/o Gregory L. Boles, Trustee	BB Land, LLC	≥ 12.5%	319/121
E	P7196	Union	Pleasants	11	p/o 13	Lease	Mary Lee Tecca	BB Land, LLC	≥ 12.5%	319/127
E	P7196	Union	Pleasants	11	p/o 13	Lease	Kayla Ware	BB Land, LLC	≥ 12.5%	319/464
E	P7196	Union	Pleasants	11	p/o 13	Lease	Denise Isom	BB Land, LLC	≥ 12.5%	319/467
E	P7196	Union	Pleasants	11	p/o 13	Lease	Allen McGee	BB Land, LLC	≥ 12.5%	320/197
E	P7196	Union	Pleasants	11	p/o 13	Lease	General Board of Global Ministries of The United Methodist Church	BB Land, LLC	≥ 12.5%	320/374
E	P7196	Union	Pleasants	11	p/o 13	Lease	Tammy Hammetts Smith, Pleasants County Special Receiver	BB Land, LLC	≥ 12.5%	322/440
F	P7196C1	Union	Pleasants	6	p/o 91	Lease	Union Bank, Inc. Timothy R. Aiken, President & CEO	BB Land, LLC	≥ 12.5%	308/541
F	P7196C1	Union	Pleasants	6	p/o 91	Lease	Pamela Jo & Charles R. Bowie	BB Land, LLC	≥ 12.5%	318/307
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Deed	Phillip B. Baird	Jay-Bee Royalty	≥ 12.5%	320/297
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Union Bank, Inc. Timothy R. Aiken, President & CEO	BB Land, LLC	≥ 12.5%	308/541
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Joan Miller Griffin By Kenneth L. Griffin, POA	BB Land, LLC	≥ 12.5%	311/139
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Pamela Barre	BB Land, LLC	≥ 12.5%	313/160
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	David Wade	BB Land, LLC	≥ 12.5%	313/486
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Allan Zaring	BB Land, LLC	≥ 12.5%	313/489
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Melvin Cheney Trust No. 1 Melvin Cheney & M. Nadine Cheney, Trustees	BB Land, LLC	≥ 12.5%	313/492
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	United Methodist Church of New Matamoras W.D. Cochran, Chair of Finance Committee	BB Land, LLC	≥ 12.5%	313/495
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Ronald D. Alexander	BB Land, LLC	≥ 12.5%	313/562

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F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Donald Hartley	BB Land, LLC	≥ 12.5%	313/565
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Janet LaForce	BB Land, LLC	≥ 12.5%	313/568
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Francis L. McKee	BB Land, LLC	≥ 12.5%	313/571
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Helen Ann Hodkins	BB Land, LLC	≥ 12.5%	313/574
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Dorothy LaVerne Lee	BB Land, LLC	≥ 12.5%	313/577
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Robert R. Reynolds	BB Land, LLC	≥ 12.5%	313/580
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Marilyn Sue Ryan	BB Land, LLC	≥ 12.5%	313/583
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Farmers National Company, Agent Attn: Debbie Pringer	BB Land, LLC	≥ 12.5%	313/586
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Blanche Day	BB Land, LLC	≥ 12.5%	314/352
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Alberta Johnson	BB Land, LLC	≥ 12.5%	315/101
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Robert L. Boles	BB Land, LLC	≥ 12.5%	315/207
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Mary Lou Callahan	BB Land, LLC	≥ 12.5%	315/210
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Betty Levings	BB Land, LLC	≥ 12.5%	315/213
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Beulah Embree	BB Land, LLC	≥ 12.5%	315/216
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Janice Elaine Weisenhorn	BB Land, LLC	≥ 12.5%	317/148
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Margaret Elizabeth Gentes	BB Land, LLC	≥ 12.5%	318/294
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Judith E. McKee	BB Land, LLC	≥ 12.5%	318/297
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	William Richard Glasby	BB Land, LLC	≥ 12.5%	318/300
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Samuel L. McEldowney	BB Land, LLC	≥ 12.5%	318/304
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Robert Davis	BB Land, LLC	≥ 12.5%	318/460
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Mary Jane Halbert	BB Land, LLC	≥ 12.5%	318/463
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Verna Herman	BB Land, LLC	≥ 12.5%	318/466
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Doris McKee	BB Land, LLC	≥ 12.5%	318/469
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Clyde M. Reams	BB Land, LLC	≥ 12.5%	318/472
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Nadine L. Reams	BB Land, LLC	≥ 12.5%	318/475
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Linda Kay Roberts	BB Land, LLC	≥ 12.5%	318/478
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Sarepta Ostrum c/o Daniel Ostrum	BB Land, LLC	≥ 12.5%	318/481
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Julie Elizabeth Pierpont	BB Land, LLC	≥ 12.5%	318/484
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Deborah Lynne Krieger	BB Land, LLC	≥ 12.5%	318/487
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	M. Jebb Linch	BB Land, LLC	≥ 12.5%	318/491
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Karen A. Calentine	BB Land, LLC	≥ 12.5%	318/494
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Joanna M. Boles Living Trust c/o: Gregory L. Boles, Trustee	BB Land, LLC	≥ 12.5%	319/121
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Mary Lee Tecca	BB Land, LLC	≥ 12.5%	319/127
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Dennis S. Steele	BB Land, LLC	≥ 12.5%	319/127
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Kayla Ware	BB Land, LLC	≥ 12.5%	319/464
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Denise Isom	BB Land, LLC	≥ 12.5%	319/467
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Allen McGee	BB Land, LLC	≥ 12.5%	320/197
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	General Board of Global Ministries of The United Methodist Church	BB Land, LLC	≥ 12.5%	320/374
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Daniel Linch	BB Land, LLC	≥ 12.5%	320/377
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Mark Levi Morgan	BB Land, LLC	≥ 12.5%	319/680
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	John Chadderdon	BB Land, LLC	≥ 12.5%	321/73
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Camille Rachel Blake	BB Land, LLC	≥ 12.5%	321/236
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Tammy Hammetts Smith, Pleasants County Special Receiver	BB Land, LLC	≥ 12.5%	321/239



P	P7188C	Union	Pleasants	6	78.1	Lease	Stephen E. & Amy J. Grose	BB Land, LLC	> 12.5%	308/314
V, S, Q	P7188	Union	Pleasants	6	78.4, 78.5, 78.6	Lease	Culpepper Cattle Company Inc.	BB Land, LLC	> 12.5%	307/657
R	P7188D	Union	Pleasants	6	78	Lease	Ronald D. Tucker	BB Land, LLC	> 12.5%	319/668
T	P7188B	Union	Pleasants	6	78.2	Lease	Harold J & Edna L. Kimball	BB Land, LLC	> 12.5%	314/430
U	P7188A	Union	Pleasants	6	78.3	Lease	Miranda L. Bunner	BB Land, LLC	> 12.5%	320/194
X	P7192B	Union	Pleasants	6	77	Lease	R. Williams & Annelle Edwards	BB Land, LLC	> 12.5%	308/307
CC, DD, BB, Y, Z, AA	P7075A	Union	Pleasants	6	46, 46.3, 76, 76.1, 76.2 & 76.3	Deed	Frederick M. Dean Rohrig Trust	Jay-Bee Royalty	> 12.5%	294/207
CC, DD, BB, Y, Z, AA	P7075A	Union	Pleasants	6	46, 46.3, 76, 76.1, 76.2 & 76.3	Lease	Ridgetop Capital IV, LP	BB Land, LLC	> 12.5%	294/257
EE	P7192	Union	Pleasants	6	75	Deed	Susan Victoria Adams	Jay-Bee Royalty	> 12.5%	320/548
EE	P7192	Union	Pleasants	6	75	Lease	Elaine Stanford	BB Land, LLC	> 12.5%	305/096
EE	P7192	Union	Pleasants	6	75	Lease	Linda Meston	BB Land, LLC	> 12.5%	305/099
EE	P7192	Union	Pleasants	6	75	Lease	Patricia Estelle Wells	BB Land, LLC	> 12.5%	305/102
EE	P7192	Union	Pleasants	6	75	Lease	Barbara Opal Stuart	BB Land, LLC	> 12.5%	305/418
EE	P7192	Union	Pleasants	6	75	Lease	Jeanette Marlene Brakeman	BB Land, LLC	> 12.5%	305/421
EE	P7192	Union	Pleasants	6	75	Lease	Sharon McGee	BB Land, LLC	> 12.5%	307/269
EE	P7192	Union	Pleasants	6	75	Lease	June Tabb	BB Land, LLC	> 12.5%	307/273
EE	P7192	Union	Pleasants	6	75	Lease	Larry Dale Smith	BB Land, LLC	> 12.5%	307/285
EE	P7192	Union	Pleasants	6	75	Lease	Kathy D. Schroeder	BB Land, LLC	> 12.5%	307/289
EE	P7192	Union	Pleasants	6	75	Lease	Charles R. Smith	BB Land, LLC	> 12.5%	307/293
EE	P7192	Union	Pleasants	6	75	Lease	Martha Hunt	BB Land, LLC	> 12.5%	307/297
EE	P7192	Union	Pleasants	6	75	Lease	Helen Wescott	BB Land, LLC	> 12.5%	307/621
EE	P7192	Union	Pleasants	6	75	Lease	Jack E. & Hilda M. Renner	BB Land, LLC	> 12.5%	308/121
EE	P7192	Union	Pleasants	6	75	Lease	Lori J. Smith	BB Land, LLC	> 12.5%	308/558
EE	P7192	Union	Pleasants	6	75	Lease	Treva M. & Ronald R. Burris	BB Land, LLC	> 12.5%	308/561
EE	P7192	Union	Pleasants	6	75	Lease	Chester L. & Peggy D. Smith	BB Land, LLC	> 12.5%	308/564
EE	P7192	Union	Pleasants	6	75	Lease	Pat Allen Bates	BB Land, LLC	> 12.5%	308/567
EE	P7192	Union	Pleasants	6	75	Lease	Mark W. Bates	BB Land, LLC	> 12.5%	308/570
EE	P7192	Union	Pleasants	6	75	Lease	Jerry L. Morgan	BB Land, LLC	> 12.5%	308/573
EE	P7192	Union	Pleasants	6	75	Lease	Glenda M. Morgan	BB Land, LLC	> 12.5%	308/576
EE	P7192	Union	Pleasants	6	75	Lease	Carol J. McAlhaney	BB Land, LLC	> 12.5%	308/579
EE	P7192	Union	Pleasants	6	75	Lease	Richard E. Dutton	BB Land, LLC	> 12.5%	308/582
EE	P7192	Union	Pleasants	6	75	Lease	Connie L. Brown	BB Land, LLC	> 12.5%	308/585
EE	P7192	Union	Pleasants	6	75	Lease	Michael L. Bates	BB Land, LLC	> 12.5%	308/588
EE	P7192	Union	Pleasants	6	75	Lease	Joann Smith	BB Land, LLC	> 12.5%	308/591
EE	P7192	Union	Pleasants	6	75	Lease	William T. Smith	BB Land, LLC	> 12.5%	308/594
EE	P7192	Union	Pleasants	6	75	Lease	Mary R. Smith	BB Land, LLC	> 12.5%	309/309
EE	P7192	Union	Pleasants	6	75	Lease	Howard Raymond	BB Land, LLC	> 12.5%	309/312
EE	P7192	Union	Pleasants	6	75	Lease	Lisa A. Debban	BB Land, LLC	> 12.5%	309/590
EE	P7192	Union	Pleasants	6	75	Lease	Max C. Bates	BB Land, LLC	> 12.5%	309/593
EE	P7192	Union	Pleasants	6	75	Lease	Kathryn R. Myers	BB Land, LLC	> 12.5%	309/596
EE	P7192	Union	Pleasants	6	75	Lease	Isaac Washington	BB Land, LLC	> 12.5%	309/599

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M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Mark W. Bates	BB Land, LLC	≥ 12.5%	308/570
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Jerry L. Morgan	BB Land, LLC	≥ 12.5%	308/573
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Glenda M. Morgan	BB Land, LLC	≥ 12.5%	308/576
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Carol J. McAlhane	BB Land, LLC	≥ 12.5%	308/579
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Richard E. Dutton	BB Land, LLC	≥ 12.5%	308/582
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Connie L. Brown	BB Land, LLC	≥ 12.5%	308/585
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Michael L. Bates	BB Land, LLC	≥ 12.5%	308/588
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Joann Smith	BB Land, LLC	≥ 12.5%	308/591
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	William T. Smith	BB Land, LLC	≥ 12.5%	308/594
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Mary R. Smith	BB Land, LLC	≥ 12.5%	309/309
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Howard Raymond	BB Land, LLC	≥ 12.5%	309/312
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Lisa A. Debban	BB Land, LLC	≥ 12.5%	309/590
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Max C. Bates	BB Land, LLC	≥ 12.5%	309/593
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Kathryn R. Myers	BB Land, LLC	≥ 12.5%	309/596
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Isaac Washington	BB Land, LLC	≥ 12.5%	309/599
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Cheyenne Washington	BB Land, LLC	≥ 12.5%	309/602
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Cheryl Ann Patrick	BB Land, LLC	≥ 12.5%	310/452
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Constance J. Eneboe c/o De Ann Gutierrez POA	BB Land, LLC	≥ 12.5%	310/455
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Patty Cox	BB Land, LLC	≥ 12.5%	310/458
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Betty Jean Bailey	BB Land, LLC	≥ 12.5%	310/461
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	James Oscar Smith, Jr.	BB Land, LLC	≥ 12.5%	312/112
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Betty Jane Cottle	BB Land, LLC	≥ 12.5%	312/115
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Carl Edward Smith	BB Land, LLC	≥ 12.5%	316/406
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	James A. Daily	BB Land, LLC	≥ 12.5%	316/409
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Jerry Ellis	BB Land, LLC	≥ 12.5%	316/413
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Joseph Ellis	BB Land, LLC	≥ 12.5%	316/416
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Pamela Kyle	BB Land, LLC	≥ 12.5%	316/419
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Richard Marcus Marshall	BB Land, LLC	≥ 12.5%	319/448
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Samuel W. Marshall	BB Land, LLC	≥ 12.5%	319/454
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Leroy P. Stanford	BB Land, LLC	≥ 12.5%	319/458
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Timothy S. Myers	BB Land, LLC	≥ 12.5%	319/461
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Clifford W. Smith	BB Land, LLC	≥ 12.5%	320/456
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Mario Griego	BB Land, LLC	≥ 12.5%	320/460
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Robert H. Goss Marital Trust Robert H. Goss, Trustee	BB Land, LLC	≥ 12.5%	321/030
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Jullann Marie Brooks	BB Land, LLC	≥ 12.5%	321/034
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Carol Sue Cooke Family Trust John G. Klipp, Trustee	BB Land, LLC	≥ 12.5%	39/451
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Elaine Stanford	BB Land, LLC	≥ 12.5%	305/096
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	John Erik Scheidegger	BB Land, LLC	≥ 12.5%	319/671
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Sasha N. Van Roy	BB Land, LLC	≥ 12.5%	321/233
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Tammy Hammett Smith, Pleasants County Special Receiver	BB Land, LLC	≥ 12.5%	322/164
O, W	P7032	Union	Pleasants	6	95, 95.1	Deed	Frederick M. Dean Rohrig Trust	Jay-Bee Royalty	≥ 12.5%	294/207



F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Kathy Linch Wagner	BB Land, LLC	≥ 12.5%	310/464
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Joe P. Miller	BB Land, LLC	≥ 12.5%	310/467
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Gerry C. (Click) Alspaugh	BB Land, LLC	≥ 12.5%	310/470
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Alan E. Amos	BB Land, LLC	≥ 12.5%	310/473
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Julianna Leigh Scott	BB Land, LLC	≥ 12.5%	310/476
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Bethany Suzanne Scott	BB Land, LLC	≥ 12.5%	310/479
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	New Matamoros Emergency Squad	BB Land, LLC	≥ 12.5%	310/482
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	David R. Amos	BB Land, LLC	≥ 12.5%	310/485
F, E	P7196B	Union	Pleasants	6; 11	p/o 91; p/o 13	Lease	Carole L. Howison	BB Land, LLC	≥ 12.5%	310/488
G ✓	P7077F	Union	Pleasants	6	88	Lease	Joye Y. Lockhart	BB Land, LLC	≥ 12.5%	326/184
G	P7077F	Union	Pleasants	6	88	Lease	Chester Arian Brammer	BB Land, LLC	≥ 12.5%	326/187
G	P7077F	Union	Pleasants	6	88	Lease	Sean L. Williams	BB Land, LLC	≥ 12.5%	326/190
G	P7077F	Union	Pleasants	6	88	Lease	Cheryll M. Sundberg	BB Land, LLC	≥ 12.5%	326/193
H, J ✓	P7077D	Union	Pleasants	6	87.89	Lease	Rodney Ray Holmes	BB Land, LLC	≥ 12.5%	306/019
H, J	P7077D	Union	Pleasants	6	87.89	Lease	Craig Allen Holmes	BB Land, LLC	≥ 12.5%	306/025
H, J	P7077D	Union	Pleasants	6	87.89	Lease	Rodney Ray & Craig Allen Holmes	BB Land, LLC	≥ 12.5%	306/019; pe
H, J	P7077D	Union	Pleasants	6	87.89	Lease	Rodney Ray Holmes	BB Land, LLC	≥ 12.5%	306/025; pe
I	P7191A	Union	Pleasants	6	90	Lease	Douglas D. & Lori K. Renner (ITROS)	BB Land, LLC	≥ 12.5%	308/117
K, L ✓	P7077E	Union	Pleasants	6	98 & 107	Deed	Frederick M. Dean Rohrig Trust	Jay-Bee Royalty	≥ 12.5%	294/207
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Deed	Susan Victoria Adams	Jay-Bee Royalty	≥ 12.5%	320/548
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Sharon McGee	BB Land, LLC	≥ 12.5%	307/269
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	June Tabb	BB Land, LLC	≥ 12.5%	307/273
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Larry Dale Smith	BB Land, LLC	≥ 12.5%	307/285
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Kathy D. Schroeder	BB Land, LLC	≥ 12.5%	307/289
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Charles R. Smith	BB Land, LLC	≥ 12.5%	307/293
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Martha Hunt	BB Land, LLC	≥ 12.5%	307/297
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Patricia Estelle Wells	BB Land, LLC	≥ 12.5%	307/301
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Jeanette Marlene Brakeman	BB Land, LLC	≥ 12.5%	307/304
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Linda Meston	BB Land, LLC	≥ 12.5%	307/307
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Barbara Opal Stuart	BB Land, LLC	≥ 12.5%	307/615
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Helen Wescott	BB Land, LLC	≥ 12.5%	307/621
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Lori J. Smith	BB Land, LLC	≥ 12.5%	308/558
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Treva M. & Ronald R. Burris	BB Land, LLC	≥ 12.5%	308/561
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Chester L. & Peggy D. Smith	BB Land, LLC	≥ 12.5%	308/564
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Pat Allen Bates	BB Land, LLC	≥ 12.5%	308/567
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Mark W. Bates	BB Land, LLC	≥ 12.5%	308/570
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Jerry L. Morgan	BB Land, LLC	≥ 12.5%	308/573
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Glenda M. Morgan	BB Land, LLC	≥ 12.5%	308/576
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Carol J. McAlhane	BB Land, LLC	≥ 12.5%	308/579
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Richard E. Dutton	BB Land, LLC	≥ 12.5%	308/582
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Connie L. Brown	BB Land, LLC	≥ 12.5%	308/585
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Michael I. Bates	BB Land, LLC	≥ 12.5%	308/588
M, N	P7192C	Union	Pleasants	6	75.3, 75.5	Lease	Joann Smith	BB Land, LLC	≥ 12.5%	308/591

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EE	P7192	Union	Pleasants	6	75	Lease	Linda Meston	BB Land, LLC	≥ 12.5%	305/099
EE	P7192	Union	Pleasants	6	75	Lease	Patricia Estelle Wells	BB Land, LLC	≥ 12.5%	305/102
EE	P7192	Union	Pleasants	6	75	Lease	Barbara Opal Stuart	BB Land, LLC	≥ 12.5%	305/418
EE	P7192	Union	Pleasants	6	75	Lease	Jeanette Marlene Brakeman	BB Land, LLC	≥ 12.5%	305/421
EE	P7192	Union	Pleasants	6	75	Lease	Sharon McGee	BB Land, LLC	≥ 12.5%	307/269
EE	P7192	Union	Pleasants	6	75	Lease	June Tabb	BB Land, LLC	≥ 12.5%	307/273
EE	P7192	Union	Pleasants	6	75	Lease	Larry Dale Smith	BB Land, LLC	≥ 12.5%	307/285
EE	P7192	Union	Pleasants	6	75	Lease	Kathy D. Schroeder	BB Land, LLC	≥ 12.5%	307/289
EE	P7192	Union	Pleasants	6	75	Lease	Charles R. Smith	BB Land, LLC	≥ 12.5%	307/293
EE	P7192	Union	Pleasants	6	75	Lease	Martha Hunt	BB Land, LLC	≥ 12.5%	307/297
EE	P7192	Union	Pleasants	6	75	Lease	Helen Wescott	BB Land, LLC	≥ 12.5%	307/621
EE	P7192	Union	Pleasants	6	75	Lease	Jack E. & Hilda M. Renner	BB Land, LLC	≥ 12.5%	308/121
EE	P7192	Union	Pleasants	6	75	Lease	Lori J. Smith	BB Land, LLC	≥ 12.5%	308/558
EE	P7192	Union	Pleasants	6	75	Lease	Treva M. & Ronald R. Burris	BB Land, LLC	≥ 12.5%	308/561
EE	P7192	Union	Pleasants	6	75	Lease	Chester L. & Peggy D. Smith	BB Land, LLC	≥ 12.5%	308/564
EE	P7192	Union	Pleasants	6	75	Lease	Pat Allen Bates	BB Land, LLC	≥ 12.5%	308/567
EE	P7192	Union	Pleasants	6	75	Lease	Mark W. Bates	BB Land, LLC	≥ 12.5%	308/570
EE	P7192	Union	Pleasants	6	75	Lease	Jerry L. Morgan	BB Land, LLC	≥ 12.5%	308/573
EE	P7192	Union	Pleasants	6	75	Lease	Glenda M. Morgan	BB Land, LLC	≥ 12.5%	308/576
EE	P7192	Union	Pleasants	6	75	Lease	Carol J. McAlhane	BB Land, LLC	≥ 12.5%	308/579
EE	P7192	Union	Pleasants	6	75	Lease	Richard E. Dutton	BB Land, LLC	≥ 12.5%	308/582
EE	P7192	Union	Pleasants	6	75	Lease	Connie L. Brown	BB Land, LLC	≥ 12.5%	308/585
EE	P7192	Union	Pleasants	6	75	Lease	Michael L. Bates	BB Land, LLC	≥ 12.5%	308/588
EE	P7192	Union	Pleasants	6	75	Lease	Joann Smith	BB Land, LLC	≥ 12.5%	308/591
EE	P7192	Union	Pleasants	6	75	Lease	William T. Smith	BB Land, LLC	≥ 12.5%	308/594
EE	P7192	Union	Pleasants	6	75	Lease	Mary R. Smith	BB Land, LLC	≥ 12.5%	309/309
EE	P7192	Union	Pleasants	6	75	Lease	Howard Raymond	BB Land, LLC	≥ 12.5%	309/312
EE	P7192	Union	Pleasants	6	75	Lease	Lisa A. Debban	BB Land, LLC	≥ 12.5%	309/590
EE	P7192	Union	Pleasants	6	75	Lease	Max C. Bates	BB Land, LLC	≥ 12.5%	309/593
EE	P7192	Union	Pleasants	6	75	Lease	Kathryn R. Myers	BB Land, LLC	≥ 12.5%	309/596
EE	P7192	Union	Pleasants	6	75	Lease	Isaac Washington	BB Land, LLC	≥ 12.5%	309/599
EE	P7192	Union	Pleasants	6	75	Lease	Cheyenne Washington	BB Land, LLC	≥ 12.5%	309/602
EE	P7192	Union	Pleasants	6	75	Lease	Cheryl Ann Patrick	BB Land, LLC	≥ 12.5%	310/452
EE	P7192	Union	Pleasants	6	75	Lease	Constance J. Eneboe c/o De Ann Gutierrez POA	BB Land, LLC	≥ 12.5%	310/455
EE	P7192	Union	Pleasants	6	75	Lease	Patty Cox	BB Land, LLC	≥ 12.5%	310/458
EE	P7192	Union	Pleasants	6	75	Lease	Betty Jean Bailey	BB Land, LLC	≥ 12.5%	310/461
EE	P7192	Union	Pleasants	6	75	Lease	James Oscar Smith, Jr.	BB Land, LLC	≥ 12.5%	312/108
EE	P7192	Union	Pleasants	6	75	Lease	Betty Jane Cottle	BB Land, LLC	≥ 12.5%	312/115
EE	P7192	Union	Pleasants	6	75	Lease	Carl Edward Smith	BB Land, LLC	≥ 12.5%	316/406
EE	P7192	Union	Pleasants	6	75	Lease	James A. Daily	BB Land, LLC	≥ 12.5%	316/409
EE	P7192	Union	Pleasants	6	75	Lease	Jerry Ellis	BB Land, LLC	≥ 12.5%	316/413
EE	P7192	Union	Pleasants	6	75	Lease	Joseph Ellis	BB Land, LLC	≥ 12.5%	316/416
EE	P7192	Union	Pleasants	6	75	Lease	Pamela Kyle	BB Land, LLC	≥ 12.5%	316/419





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EE	P7192	Union	Pleasants	6	75	Lease	Richard Marcus Marshall	BB Land, LLC	≥ 12.5%	319/448
EE	P7192	Union	Pleasants	6	75	Lease	Carol Sue Cooke Family Trust John G. Kipp, Trustee	BB Land, LLC	≥ 12.5%	319/451
EE	P7192	Union	Pleasants	6	75	Lease	Samuel W. Marshall	BB Land, LLC	≥ 12.5%	319/454
EE	P7192	Union	Pleasants	6	75	Lease	Leroy P. Stanford	BB Land, LLC	≥ 12.5%	319/458
EE	P7192	Union	Pleasants	6	75	Lease	Clifford W. Smith, Jr.	BB Land, LLC	≥ 12.5%	320/456
EE	P7192	Union	Pleasants	6	75	Lease	Mario Griego	BB Land, LLC	≥ 12.5%	320/460
EE	P7192	Union	Pleasants	6	75	Lease	Robert H. Goss Marital Trust Robert H. Goss, Trustee	BB Land, LLC	≥ 12.5%	321/030
EE	P7192	Union	Pleasants	6	75	Lease	Juliann Marie Brooks	BB Land, LLC	≥ 12.5%	321/034
EE	P7192	Union	Pleasants	6	75	Lease	John Erik Scheidegger	BB Land, LLC	≥ 12.5%	319/671
EE	P7192	Union	Pleasants	6	75	Lease	Sasha N. Van Roy	BB Land, LLC	≥ 12.5%	321/233
EE	P7192	Union	Pleasants	6	75	Lease	Tammy Hammett Smith, Pleasants County Special Receiver	BB Land, LLC	≥ 12.5%	322/164
FF	P7045	Union	Pleasants	6	47	Deed	Frederick M. Dean Rohrig Trust	Jay-Bee Royalty	≥ 12.5%	294/207
GG	P7184	Union	Pleasants	6	34	Deed	Daniel Kiggans	Jay-Bee Royalty	≥ 12.5%	310/497
GG	P7184	Union	Pleasants	6	34	Lease	Charlotte M. Adams	BB Land, LLC	≥ 12.5%	309/280
GG	P7184	Union	Pleasants	6	34	Lease	Ronald L. Adams Trust f/b/o Carol Adams	BB Land, LLC	≥ 12.5%	309/283
GG	P7184	Union	Pleasants	6	34	Lease	Barbara A. Fowler	BB Land, LLC	≥ 12.5%	309/287
GG	P7184	Union	Pleasants	6	34	Lease	James S. Lucas	BB Land, LLC	≥ 12.5%	309/464
GG	P7184	Union	Pleasants	6	34	Lease	Dora M. Lucas	BB Land, LLC	≥ 12.5%	309/467
GG	P7184	Union	Pleasants	6	34	Lease	Velma Jean Stull	BB Land, LLC	≥ 12.5%	309/470
GG	P7184	Union	Pleasants	6	34	Lease	Sherry L. Lucas	BB Land, LLC	≥ 12.5%	309/473
GG	P7184	Union	Pleasants	6	34	Lease	Gary Richard Lucas	BB Land, LLC	≥ 12.5%	309/476
GG	P7184	Union	Pleasants	6	34	Lease	Melba J. Hall	BB Land, LLC	≥ 12.5%	309/559
GG	P7184	Union	Pleasants	6	34	Lease	Gary Dale Adams	BB Land, LLC	≥ 12.5%	309/562
GG	P7184	Union	Pleasants	6	34	Lease	Kendall E. Watson	BB Land, LLC	≥ 12.5%	309/565
GG	P7184	Union	Pleasants	6	34	Lease	Esther M. Dearth	BB Land, LLC	≥ 12.5%	309/568
GG	P7184	Union	Pleasants	6	34	Lease	William L. Campbell	BB Land, LLC	≥ 12.5%	309/577
GG	P7184	Union	Pleasants	6	34	Lease	Irene M. Kemp	BB Land, LLC	≥ 12.5%	309/580
GG	P7184	Union	Pleasants	6	34	Lease	Judy Kay Ridgway	BB Land, LLC	≥ 12.5%	309/605
GG	P7184	Union	Pleasants	6	34	Lease	Tinna Marie Adams	BB Land, LLC	≥ 12.5%	309/611
GG	P7184	Union	Pleasants	6	34	Lease	Leanna K. Unklesbay	BB Land, LLC	≥ 12.5%	309/614
GG	P7184	Union	Pleasants	6	34	Lease	Linda L. Burke	BB Land, LLC	≥ 12.5%	309/617
GG	P7184	Union	Pleasants	6	34	Lease	Cheryl D. Freund	BB Land, LLC	≥ 12.5%	309/620
GG	P7184	Union	Pleasants	6	34	Lease	Vickie J. Martin	BB Land, LLC	≥ 12.5%	309/623
GG	P7184	Union	Pleasants	6	34	Lease	Pamela R. Wilson	BB Land, LLC	≥ 12.5%	309/626
GG	P7184	Union	Pleasants	6	34	Lease	Sherlene Smearman	BB Land, LLC	≥ 12.5%	309/629
GG	P7184	Union	Pleasants	6	34	Lease	Timothy Kiggans	BB Land, LLC	≥ 12.5%	309/635
GG	P7184	Union	Pleasants	6	34	Lease	Mary Lou Richardson	BB Land, LLC	≥ 12.5%	309/638
GG	P7184	Union	Pleasants	6	34	Lease	Susan K. Sampson	BB Land, LLC	≥ 12.5%	309/644
GG	P7184	Union	Pleasants	6	34	Lease	Roy D. Kiggans	BB Land, LLC	≥ 12.5%	310/409
GG	P7184	Union	Pleasants	6	34	Lease	Terri Louise Hinshaw	BB Land, LLC	≥ 12.5%	310/412
GG	P7184	Union	Pleasants	6	34	Lease	Delores Williamson	BB Land, LLC	≥ 12.5%	310/415
GG	P7184	Union	Pleasants	6	34	Lease	Carl W Nurmi	BB Land, LLC	≥ 12.5%	310/418
GG	P7184	Union	Pleasants	6	34	Lease	James Baker	BB Land, LLC	≥ 12.5%	310/421



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GG	P7184	Union	Pleasants	6	34	Lease	Matthew A Kiggins	BB Land, LLC	≥ 12.5%	310/424
GG	P7184	Union	Pleasants	6	34	Lease	Jana L Rine	BB Land, LLC	≥ 12.5%	310/430
GG	P7184	Union	Pleasants	6	34	Lease	Rhonda Sue Kukor	BB Land, LLC	≥ 12.5%	310/434
GG	P7184	Union	Pleasants	6	34	Lease	June Ann Adams	BB Land, LLC	≥ 12.5%	310/437
GG	P7184	Union	Pleasants	6	34	Lease	Kimberly A Smith	BB Land, LLC	≥ 12.5%	310/440
GG	P7184	Union	Pleasants	6	34	Lease	Mary L Trew	BB Land, LLC	≥ 12.5%	310/443
GG	P7184	Union	Pleasants	6	34	Lease	Frank Slider	BB Land, LLC	≥ 12.5%	310/491
GG	P7184	Union	Pleasants	6	34	Lease	Clara Watson	BB Land, LLC	≥ 12.5%	311/104
GG	P7184	Union	Pleasants	6	34	Lease	Curtis A. Adams	BB Land, LLC	≥ 12.5%	311/107
GG	P7184	Union	Pleasants	6	34	Lease	Carol K. Pappas	BB Land, LLC	≥ 12.5%	311/110
GG	P7184	Union	Pleasants	6	34	Lease	Jackue Fowles	BB Land, LLC	≥ 12.5%	311/113
GG	P7184	Union	Pleasants	6	34	Lease	Pamela Kay Mendrick	BB Land, LLC	≥ 12.5%	311/116
GG	P7184	Union	Pleasants	6	34	Lease	Kenya Rae Herstine	BB Land, LLC	≥ 12.5%	311/119
GG	P7184	Union	Pleasants	6	34	Lease	Sandra Sue Adams	BB Land, LLC	≥ 12.5%	311/122
GG	P7184	Union	Pleasants	6	34	Lease	Lewis P. Nurmi	BB Land, LLC	≥ 12.5%	311/125
GG	P7184	Union	Pleasants	6	34	Lease	Diana D. Wolverton	BB Land, LLC	≥ 12.5%	311/128
GG	P7184	Union	Pleasants	6	34	Lease	Karen L Shorts	BB Land, LLC	≥ 12.5%	311/131
GG	P7184	Union	Pleasants	6	34	Lease	Amy J Adams	BB Land, LLC	≥ 12.5%	311/135
GG	P7184	Union	Pleasants	6	34	Lease	Barbara Freeman	BB Land, LLC	≥ 12.5%	311/333
GG	P7184	Union	Pleasants	6	34	Lease	James S Watson	BB Land, LLC	≥ 12.5%	311/336
GG	P7184	Union	Pleasants	6	34	Lease	Mary Ellen Morris	BB Land, LLC	≥ 12.5%	311/339
GG	P7184	Union	Pleasants	6	34	Lease	Pamela Sue Shannon	BB Land, LLC	≥ 12.5%	311/342
GG	P7184	Union	Pleasants	6	34	Lease	Teresa A. McFadyen	BB Land, LLC	≥ 12.5%	311/345
GG	P7184	Union	Pleasants	6	34	Lease	Ray O'Neal Hanlin	BB Land, LLC	≥ 12.5%	311/348
GG	P7184	Union	Pleasants	6	34	Lease	Kathy J Gooden	BB Land, LLC	≥ 12.5%	313/559
GG	P7184	Union	Pleasants	6	34	Lease	Nedra Jean Osso	BB Land, LLC	≥ 12.5%	315/512
GG	P7184	Union	Pleasants	6	34	Lease	Carrie Anne Sims	BB Land, LLC	≥ 12.5%	315/515
GG	P7184	Union	Pleasants	6	34	Lease	Michelle Ann Askensase	BB Land, LLC	≥ 12.5%	315/518
GG	P7184	Union	Pleasants	6	34	Lease	Kay Rene Toothman	BB Land, LLC	≥ 12.5%	315/521
GG	P7184	Union	Pleasants	6	34	Lease	Heather Raye Hughart	BB Land, LLC	≥ 12.5%	315/524
GG	P7184	Union	Pleasants	6	34	Lease	Roxanne E Wilson	BB Land, LLC	≥ 12.5%	315/527
GG	P7184	Union	Pleasants	6	34	Lease	David M Domoracki	BB Land, LLC	≥ 12.5%	315/530
GG	P7184	Union	Pleasants	6	34	Lease	Charles Richard Miller	BB Land, LLC	≥ 12.5%	316/266
GG	P7184	Union	Pleasants	6	34	Lease	Karen Oldfield	BB Land, LLC	≥ 12.5%	316/272
GG	P7184	Union	Pleasants	6	34	Lease	Brittany L Adams	BB Land, LLC	≥ 12.5%	316/360
GG	P7184	Union	Pleasants	6	34	Lease	Denver Clark Adams	BB Land, LLC	≥ 12.5%	316/363
GG	P7184	Union	Pleasants	6	34	Lease	Donald E. Adams	BB Land, LLC	≥ 12.5%	316/366
GG	P7184	Union	Pleasants	6	34	Lease	George Steve Adams	BB Land, LLC	≥ 12.5%	316/369
GG	P7184	Union	Pleasants	6	34	Lease	Lloyd Coleman Adams, Jr.	BB Land, LLC	≥ 12.5%	316/372
GG	P7184	Union	Pleasants	6	34	Lease	Paul E. Barlow, Jr.	BB Land, LLC	≥ 12.5%	316/375
GG	P7184	Union	Pleasants	6	34	Lease	Helen Burris	BB Land, LLC	≥ 12.5%	316/378
GG	P7184	Union	Pleasants	6	34	Lease	Krystal Williamson Crim	BB Land, LLC	≥ 12.5%	316/381
GG	P7184	Union	Pleasants	6	34	Lease	Debra Ann Fogle	BB Land, LLC	≥ 12.5%	316/384





GG	P7184	Union	Pleasants	6	34	Lease	Miles S Light	BB Land, LLC	≥ 12.5%	316/387
GG	P7184	Union	Pleasants	6	34	Lease	L. Lyn Miller	BB Land, LLC	≥ 12.5%	316/391
GG	P7184	Union	Pleasants	6	34	Lease	Larry Dale Nicholson	BB Land, LLC	≥ 12.5%	316/394
GG	P7184	Union	Pleasants	6	34	Lease	Judith Lynn Thompson	BB Land, LLC	≥ 12.5%	316/397
GG	P7184	Union	Pleasants	6	34	Lease	Sharon June Winland	BB Land, LLC	≥ 12.5%	316/400
GG	P7184	Union	Pleasants	6	34	Lease	Rebecca Louise Wright	BB Land, LLC	≥ 12.5%	316/403
GG	P7184	Union	Pleasants	6	34	Lease	Cheryl DeVaney Haymond	BB Land, LLC	≥ 12.5%	317/124
GG	P7184	Union	Pleasants	6	34	Lease	Tessy L. Carr	BB Land, LLC	≥ 12.5%	317/127
GG	P7184	Union	Pleasants	6	34	Lease	Raymond Scott Runkle	BB Land, LLC	≥ 12.5%	317/130
GG	P7184	Union	Pleasants	6	34	Lease	Donna Rae Smith	BB Land, LLC	≥ 12.5%	317/133
GG	P7184	Union	Pleasants	6	34	Lease	Doreen Lee Freeman	BB Land, LLC	≥ 12.5%	317/136
GG	P7184	Union	Pleasants	6	34	Lease	Debra S Batton	BB Land, LLC	≥ 12.5%	317/139
GG	P7184	Union	Pleasants	6	34	Lease	John E. Barlow Revocable Trust co Sarah Deane Barlow	BB Land, LLC	≥ 12.5%	317/145
GG	P7184	Union	Pleasants	6	34	Lease	Marie T. Williamson	BB Land, LLC	≥ 12.5%	317/367
GG	P7184	Union	Pleasants	6	34	Lease	Harry D. Domoracki	BB Land, LLC	≥ 12.5%	317/370
GG	P7184	Union	Pleasants	6	34	Lease	Shelia A. Halsey	BB Land, LLC	≥ 12.5%	317/373
GG	P7184	Union	Pleasants	6	34	Lease	Debra Ann Clark	BB Land, LLC	≥ 12.5%	318/279
GG	P7184	Union	Pleasants	6	34	Lease	Martha Stevens	BB Land, LLC	≥ 12.5%	320/406
GG	P7184	Union	Pleasants	6	34	Lease	Crystal Dawn Barnes	BB Land, LLC	≥ 12.5%	317/142
GG	P7184	Union	Pleasants	6	34	Lease	Edward Eugene Bilderback	BB Land, LLC	≥ 12.5%	315/183
GG	P7184	Union	Pleasants	6	34	Lease	James Bruce Bilderback	BB Land, LLC	≥ 12.5%	315/186
GG	P7184	Union	Pleasants	6	34	Lease	Cathleen J Cox	BB Land, LLC	≥ 12.5%	315/189
GG	P7184	Union	Pleasants	6	34	Lease	John M. DeMicco, Jr.	BB Land, LLC	≥ 12.5%	319/430
GG	P7184	Union	Pleasants	6	34	Lease	Billy D Hanlin	BB Land, LLC	≥ 12.5%	315/192
GG	P7184	Union	Pleasants	6	34	Lease	Robert L. Heinlein	BB Land, LLC	≥ 12.5%	319/115
GG	P7184	Union	Pleasants	6	34	Lease	Melissa Jo Meyer	BB Land, LLC	≥ 12.5%	314/349
GG	P7184	Union	Pleasants	6	34	Lease	Frances Ann Nicholson	BB Land, LLC	≥ 12.5%	319/427
GG	P7184	Union	Pleasants	6	34	Lease	Elizabeth Joy Peckens	BB Land, LLC	≥ 12.5%	316/260
GG	P7184	Union	Pleasants	6	34	Lease	Monica L. Randles	BB Land, LLC	≥ 12.5%	318/448
GG	P7184	Union	Pleasants	6	34	Lease	Tammy Hammetts Smith, Pleasants County Special Receiver	BB Land, LLC	≥ 12.5%	321/024
GG	P7184	Union	Pleasants	6	34	Lease	Bobbie Dewayne Snyder	BB Land, LLC	≥ 12.5%	318/451
GG	P7184	Union	Pleasants	6	34	Lease	Brenda Kay Starinsky	BB Land, LLC	≥ 12.5%	321/027
GG	P7184	Union	Pleasants	6	34	Lease	Pamela Fucy	BB Land, LLC	≥ 12.5%	326/223
GG	P7184	Union	Pleasants	6	34	Lease	Mark Adams	BB Land, LLC	≥ 12.5%	326/220
GG	P7184	Union	Pleasants	6	34	Lease	Barry Adams	BB Land, LLC	≥ 12.5%	325/107
GG	P7184	Union	Pleasants	6	34	Lease	Linda Adams	BB Land, LLC	≥ 12.5%	325/195
HH	P7185	Union	Pleasants	6	45	Lease	Lenora Renner	BB Land, LLC	≥ 12.5%	308/610
HH	P7185	Union	Pleasants	6	45	Lease	James Renner	BB Land, LLC	≥ 12.5%	308/96
II	P7180	Union	Pleasants	6	28	Assignment - PSA	Triad Hunter LLC	BB Land, LLC	Assignment	310/667
II	P7180	Union	Pleasants	6	28	Governing Lease	William D. Payne & Jodi L. Green	Triad Hunter LLC	≥ 12.5%	260/624
KK	P7181B	Union	Pleasants	6	29	Deed	Paul O Dustman	Jay-Bee Royalty	≥ 12.5%	318/633
KK	P7181B	Union	Pleasants	6	29	Deed	David P. Kaminsky	Jay-Bee Royalty	≥ 12.5%	320/564
KK	P7181B	Union	Pleasants	6	29	Lease	Jane E. Fisher	BB Land, LLC	≥ 12.5%	309/544





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KK	P7181B	Union	Pleasants	6	29	Lease	Harry Thurman Fisher	BB Land, LLC	≥ 12.5%	310/394
KK	P7181B	Union	Pleasants	6	29	Lease	Jonita Harder	BB Land, LLC	≥ 12.5%	310/397
KK	P7181B	Union	Pleasants	6	29	Lease	Michelle Rene Sherwood-Stark	BB Land, LLC	≥ 12.5%	310/400
KK	P7181B	Union	Pleasants	6	29	Lease	Rose Ann Garren	BB Land, LLC	≥ 12.5%	310/403
KK	P7181B	Union	Pleasants	6	29	Lease	Waco Oil & Gas Co.	BB Land, LLC	≥ 12.5%	311/049
KK	P7181B	Union	Pleasants	6	29	Lease	Waco Oil & Gas Co.	BB Land, LLC	≥ 12.5%	311/049
KK	P7181B	Union	Pleasants	6	29	Lease	Vicky L Black	BB Land, LLC	≥ 12.5%	311/152
KK	P7181B	Union	Pleasants	6	29	Lease	Betty Ann Fisher	BB Land, LLC	≥ 12.5%	311/155
KK	P7181B	Union	Pleasants	6	29	Lease	Lesley Wahl-Marano	BB Land, LLC	≥ 12.5%	311/158
KK	P7181B	Union	Pleasants	6	29	Lease	Ruth G. Fisher	BB Land, LLC	≥ 12.5%	311/330
KK	P7181B	Union	Pleasants	6	29	Lease	Carl R Johnson	BB Land, LLC	≥ 12.5%	312/446
KK	P7181B	Union	Pleasants	6	29	Lease	Harold Lowell Smallwood, Jr.	BB Land, LLC	≥ 12.5%	313/145
KK	P7181B	Union	Pleasants	6	29	Lease	Dorothy H. Dohse	BB Land, LLC	≥ 12.5%	313/148
KK	P7181B	Union	Pleasants	6	29	Lease	Skye E. Blair	BB Land, LLC	≥ 12.5%	315/509
KK	P7181B	Union	Pleasants	6	29	Lease	Edward Wayne Howard	BB Land, LLC	≥ 12.5%	317/358
KK	P7181B	Union	Pleasants	6	29	Lease	Guy Bruce Barnby	BB Land, LLC	≥ 12.5%	318/261
KK	P7181B	Union	Pleasants	6	29	Lease	Cynthia B. Yunko	BB Land, LLC	≥ 12.5%	318/264
KK	P7181B	Union	Pleasants	6	29	Lease	Debbie Barnby	BB Land, LLC	≥ 12.5%	318/267
KK	P7181B	Union	Pleasants	6	29	Lease	Gaye Lynn Plona	BB Land, LLC	≥ 12.5%	318/270
KK	P7181B	Union	Pleasants	6	29	Lease	Pamela Jane Nauss	BB Land, LLC	≥ 12.5%	318/273
KK	P7181B	Union	Pleasants	6	29	Lease	Janet Ann Hughes	BB Land, LLC	≥ 12.5%	318/445
KK	P7181B	Union	Pleasants	6	29	Lease	Stephen S. Bell	BB Land, LLC	≥ 12.5%	319/665
KK	P7181B	Union	Pleasants	6	29	Lease	Sheryl Kaye Humphrey	BB Land, LLC	≥ 12.5%	319/662
KK	P7181B	Union	Pleasants	6	29	Lease	Tammy Hammetts Smith, Pleasants County Special Receiver	BB Land, LLC	≥ 12.5%	322/412
LL	P7181A	Union	Pleasants	6	19	Lease	Waco Oil & Gas Co.	BB Land, LLC	≥ 12.5%	311/049
LL	P7181A	Union	Pleasants	6	19	Lease	Jan Martin Pira	BB Land, LLC	≥ 12.5%	319/650
LL	P7181A	Union	Pleasants	6	19	Lease	Gunnar Folke Pira	BB Land, LLC	≥ 12.5%	319/656
LL	P7181A	Union	Pleasants	6	19	Lease	Lewis Edward Pira	BB Land, LLC	≥ 12.5%	319/653
LL	P7181A	Union	Pleasants	6	19	Lease	Lauren Elisabeth Nelson	BB Land, LLC	≥ 12.5%	319/659
LL	P7181A	Union	Pleasants	6	19	Lease	Barron U Kidd	BB Land, LLC	≥ 12.5%	321/224
MM	MIC 4	Union	Pleasants	Middle	Island Creek	Lease	State of West Virginia Division of Natural Resources	Jay Bee Oil and Gas	License Agreement	

**AFFIDAVIT FILED PURSUANT TO**  
**W.Va. CODE §§22-6-8 & 22-6A-5(a)(5)**

STATE OF WEST VIRGINIA

COUNTY OF RITCHIE, to-wit:

Randy Broda, President of Jay-Bee Oil & Gas, Inc., and Randy Broda, Managing Member of BB Land, LLC, being duly sworn, state as follows:

1. I, Randy Broda, am the President of the applicant, Jay-Bee Oil & Gas, Inc. In my capacity as President, I am qualified and authorized to certify and verify the information set forth or referenced herein on behalf of the applicant.
2. I, Randy Broda, am the Managing Member of BB Land, LLC, which holds the rights to extract, produce or market the oil or gas. In my capacity as Managing Member, I am qualified and authorized to certify and verify the information set forth or referenced herein on behalf of BB Land, LLC.
3. We certify that we are authorized by the holders of the right to extract, produce or market the oil or gas, if not the applicant, to state that the applicant has the right to extract, produce or market the oil or gas pursuant to the leasing and other continuing contract information provided in the application(s) for the P4N2U, well (API No(s), to be determined), on Form WW-6A1.
4. We certify that we are authorized by the owner of the working interest in the well to state that it shall tender to the owner of the oil or gas in place not less than one eighth of the total amount paid to or received by or allowed to the owner of the working interest at the wellhead for the oil or gas so extracted, produced or marketed before deducting the amount to be paid to or set aside for the owner of the oil or gas in place, on all such oil or gas to be extracted, produced or marketed from the well.
5. We certify under the penalty of law that we have personally examined and are familiar with the information contained and referenced herein and that, based on our inquiries of those individuals immediately responsible for obtaining the information, we believe that the information is true, accurate, and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.



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Further, affiants sayeth naught.

[Signature]  
Randy Broda, President of Jay-Bee Oil & Gas, Inc.

Taken, subscribed and sworn to before me, the undersigned Notary Public, this 4<sup>th</sup> day of March, 2019 by Randy Broda, President of Jay-Bee Oil & Gas, Inc., on behalf of the corporation.

My commission expires: Oct 9<sup>th</sup> 2019.

[Signature]

NOTARY PUBLIC

[Signature]  
Randy Broda, Managing Member of BB Land, LLC

Taken, subscribed and sworn to before me, the undersigned Notary Public, this 4<sup>th</sup> day of March, 2019 by Randy Broda, Managing Member of BB Land, LLC, on behalf of the company.

My commission expires: Oct 9<sup>th</sup> 2019.

[Signature]

NOTARY PUBLIC



**AFFIDAVIT FILED PURSUANT TO**  
**W. Va. CODE §§22-6-8 & 22-6A-5(a){5}**

STATE OF WEST VIRGINIA

COUNTY OF RITCHIE, to-wit:

Randy Broda, President of Jay-Bee Oil & Gas, Inc., and Randy Broda, Managing Member of Jay-Bee Royalty, LLC, being duly sworn, state as follows:

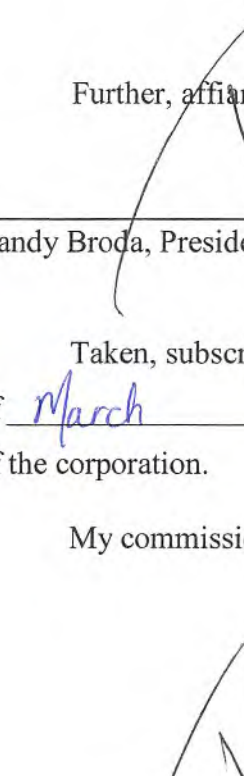
1. I, Randy Broda, am the President of the applicant, Jay-Bee Oil & Gas, Inc. In my capacity as President, I am qualified and authorized to certify and verify the information set forth or referenced herein on behalf of the applicant.
2. I, Randy Broda, am the Managing Member of Jay-Bee Royalty, LLC, which holds the rights to extract, produce or market the oil or gas. In my capacity as Managing Member, I am qualified and authorized to certify and verify the information set forth or referenced herein on behalf of Jay-Bee Royalty, LLC.
3. We certify that we are authorized by the holders of the right to extract, produce or market the oil or gas, if not the applicant, to state that the applicant has the right to extract, produce or market the oil or gas pursuant to the leasing and other continuing contract information provided in the application(s) for the P4N2U well (API No(s). to be determined), on Form WW-6A1.
4. We certify that we are authorized by the owner of the working interest in the well to state that it shall tender to the owner of the oil or gas in place not less than one eighth of the total amount paid to or received by or allowed to the owner of the working interest at the wellhead for the oil or gas so extracted, produced or marketed before deducting the amount to be paid to or set aside for the owner of the oil or gas in place, on all such oil or gas to be extracted, produced or marketed from the well.
5. We certify under the penalty of law that we have personally examined and are familiar with the information contained and referenced herein and that, based on our inquiries of those individuals immediately responsible for obtaining the information, we believe that the information is true, accurate, and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.



DEP

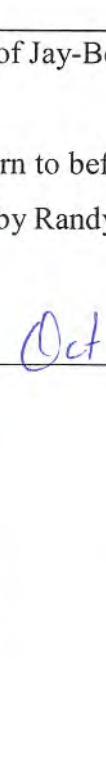
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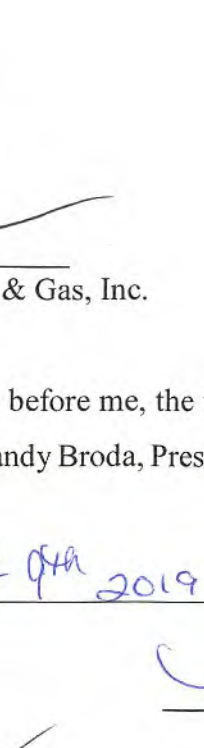
Further, affiants sayeth naught.

  
\_\_\_\_\_  
Randy Broda, President of Jay-Bee Oil & Gas, Inc.

Taken, subscribed and sworn to before me, the undersigned Notary Public, this 4<sup>th</sup> day of March, 2019 by Randy Broda, President of Jay-Bee Oil & Gas, Inc., on behalf of the corporation.

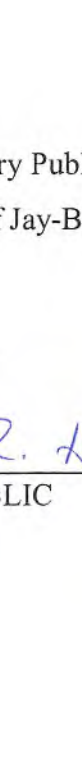
My commission expires: Oct 9<sup>th</sup> 2019.

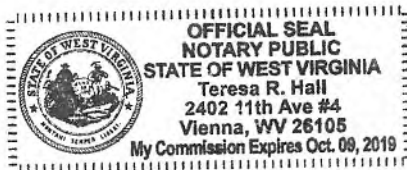
  
\_\_\_\_\_  
NOTARY PUBLIC

  
\_\_\_\_\_  
Randy Broda, Managing Member of Jay-Bee Royalty, LLC

Taken, subscribed and sworn to before me, the undersigned Notary Public, this 4<sup>th</sup> day of March, 2019 by Randy Broda, Managing Member of Jay-Bee Royalty, LLC, on behalf of the company.

My commission expires: Oct 9<sup>th</sup> 2019.

  
\_\_\_\_\_  
NOTARY PUBLIC





**JAY-BEE OIL & GAS, INC.**

December 14, 2017

Permitting Office  
Office of Oil and Gas  
West Virginia Dept. of Environmental Protection  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304

RE: P4N2U Well

Permitting Office:

As you know we have applied for a well permit for the P4N2U Well in Pleasants County, West Virginia. This pad is located on what we call the P7019 tract. County Route 7, 7/2 and 3/4 run north of this tract and our proposed well leg runs under these roadways.

You have requested that we review the courthouse records to determine if the Department of Highways has any right to the minerals underneath this section of roadway. Our outside counsel has reviewed documents in the Pleasants County Courthouse and could find no agreement that conveys mineral interests to the Department of Highways. Therefore Jay-Bee believes it has obtained leases from all mineral interests holders necessary to proceed with drilling on this tract after the permit is issued.

If you would have any questions concerning this matter, please feel free to contact our office at the numbers listed below.

Sincerely,

Shane Dowell  
Office Manager

RECEIVED  
Office of Oil and Gas

JAN 2 2018

WV Department of  
Environmental Protection



WW-6AC  
(1/12)

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE CERTIFICATION**

**Date of Notice Certification:** 12/15/2017

**API No. 47-** \_\_\_\_\_  
**Operator's Well No.** P4N2U  
**Well Pad Name:** P4

**Notice has been given:**

Pursuant to the provisions in West Virginia Code § 22-6A, the Operator has provided the required parties with the Notice Forms listed below for the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>494,015.06</u>
County:	<u>Pleasants</u>		Northing:	<u>4,364,094.73</u>
District:	<u>Union</u>	Public Road Access:	<u>Arvilla Rd (CR7)</u>	
Quadrangle:	<u>Bens Run 7.5'</u>	Generally used farm name:	<u>John &amp; Edith Smith</u>	
Watershed:	<u>Middle Island Creek</u>			

Pursuant to West Virginia Code § 22-6A-7(b), every permit application filed under this section shall be on a form as may be prescribed by the secretary, shall be verified and shall contain the following information: (14) A certification from the operator that (i) it has provided the owners of the surface described in subdivisions (1), (2) and (4), subsection (b), section ten of this article, the information required by subsections (b) and (c), section sixteen of this article; (ii) that the requirement was deemed satisfied as a result of giving the surface owner notice of entry to survey pursuant to subsection (a), section ten of this article six-a; or (iii) the notice requirements of subsection (b), section sixteen of this article were waived in writing by the surface owner; and Pursuant to West Virginia Code § 22-6A-11(b), the applicant shall tender proof of and certify to the secretary that the notice requirements of section ten of this article have been completed by the applicant.

<p>Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following:</p> <p>*PLEASE CHECK ALL THAT APPLY</p> <p><input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED</p> <p><input checked="" type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED</p> <p><input type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or</p> <p style="padding-left: 100px;"><input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH)</p> <p><input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION</p> <p><input checked="" type="checkbox"/> 5. PUBLIC NOTICE</p> <p><input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION</p>	<p><b>OOG OFFICE USE ONLY</b></p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED/ NOT REQUIRED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p> <p><input type="checkbox"/> RECEIVED</p>
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Office of Oil and Gas  
JAN 2 2013  
WV Department of  
Environmental Protection

**Required Attachments:**

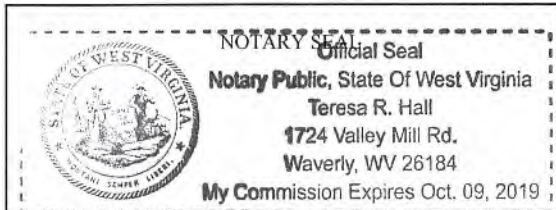
The Operator shall attach to this Notice Certification Form all Notice Forms and Certifications of Notice that have been provided to the required parties and/or any associated written waivers. For the Public Notice, the operator shall attach a copy of the Class II Legal Advertisement with publication date verification or the associated Affidavit of Publication. The attached Notice Forms and Certifications of Notice shall serve as proof that the required parties have been noticed as required under West Virginia Code § 22-6A. Pursuant to West Virginia Code § 22-6A-11(b), the Certification of Notice to the person may be made by affidavit of personal service, the return receipt card or other postal receipt for certified mailing.

WW-6AC  
(1/12)

**Certification of Notice is hereby given:**

THEREFORE, I Shane Dowell, have read and understand the notice requirements within West Virginia Code § 22-6A. I certify that as required under West Virginia Code § 22-6A, I have served the attached copies of the Notice Forms, identified above, to the required parties through personal service, by registered mail or by any method of delivery that requires a receipt or signature confirmation. I certify under penalty of law that I have personally examined and am familiar with the information submitted in this Notice Certification and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator:	Jay-Bee Oil & Gas, Inc.	Address:	3570 Shields Hill Rd.
By:	Shane Dowell		Cairo, WV 26337
Its:	Office Manager	Facsimile:	304-628-3119
Telephone:	304-628-3111	Email:	sdowell@jaybeoil.com



Subscribed and sworn before me this 15<sup>th</sup> day of December.

Teresa R. Hall Notary Public

My Commission Expires Oct 9<sup>th</sup> 2019

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [deprivacyofficer@wv.gov](mailto:deprivacyofficer@wv.gov).

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Office of Oil and Gas  
JAN 2 2013  
WV Department of  
Environmental Protection



WW-6A  
(9-13)

API NO. 47- \_\_\_\_\_ - \_\_\_\_\_  
OPERATOR WELL NO. P4N2U  
Well Pad Name: P4

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE OF APPLICATION**

**Notice Time Requirement:** notice shall be provided no later than the **filing date of permit application.**

**Date of Notice:** 12-13-2017 **Date Permit Application Filed:** 12-15-2017

Notice of:

- PERMIT FOR ANY WELL WORK
- CERTIFICATE OF APPROVAL FOR THE CONSTRUCTION OF AN IMPOUNDMENT OR PIT

**Delivery method pursuant to West Virginia Code § 22-6A-10(b)**

- PERSONAL SERVICE
- REGISTERED MAIL
- METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to W. Va. Code § 22-6A-10(b) no later than the filing date of the application, the applicant for a permit for any well work or for a certificate of approval for the construction of an impoundment or pit as required by this article shall deliver, by personal service or by registered mail or by any method of delivery that requires a receipt or signature confirmation, copies of the application, the erosion and sediment control plan required by section seven of this article, and the well plat to each of the following persons: (1) The owners of record of the surface of the tract on which the well is or is proposed to be located; (2) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for roads or other land disturbance as described in the erosion and sediment control plan submitted pursuant to subsection (c), section seven of this article; (3) The coal owner, operator or lessee, in the event the tract of land on which the well proposed to be drilled is located [sic] is known to be underlain by one or more coal seams; (4) The owners of record of the surface tract or tracts overlying the oil and gas leasehold being developed by the proposed well work, if the surface tract is to be used for the placement, construction, enlargement, alteration, repair, removal or abandonment of any impoundment or pit as described in section nine of this article; (5) Any surface owner or water purveyor who is known to the applicant to have a water well, spring or water supply source located within one thousand five hundred feet of the center of the well pad which is used to provide water for consumption by humans or domestic animals; and (6) The operator of any natural gas storage field within which the proposed well work activity is to take place. (c)(1) If more than three tenants in common or other co-owners of interests described in subsection (b) of this section hold interests in the lands, the applicant may serve the documents required upon the person described in the records of the sheriff required to be maintained pursuant to section eight, article one, chapter eleven-a of this code. (2) Notwithstanding any provision of this article to the contrary, notice to a lien holder is not notice to a landowner, unless the lien holder is the landowner. W. Va. Code R. § 35-8-5.7.a requires, in part, that the operator shall also provide the Well Site Safety Plan ("WSSP") to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Application Notice  WSSP Notice  E&S Plan Notice  Well Plat Notice is hereby provided to:

SURFACE OWNER(s)

Name: Jay-Bee Oil & Gas, Inc.  
Address: 3570 Shields Hill Rd  
Cairo, WV 26337

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Road and/or Other Disturbance)

Name: Jay-Bee Oil & Gas, Inc.  
Address: 3570 Shields Hill Rd  
Cairo, WV 26337

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER(s) (Impoundments or Pits)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

COAL OPERATOR

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

SURFACE OWNER OF WATER WELL AND/OR WATER PURVEYOR(s)

Name: Jay-Bee Oil & Gas, Inc.  
Address: 3570 Shields Hill Rd  
Cairo, WV 26337

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

\*Please attach additional forms if necessary

RECEIVED  
Office of Oil and Gas  
JAN 2 2018  
WV Department of  
Environmental Protection

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-10(b), notice is hereby given that the undersigned well operator has applied for a permit for well work or for a certificate of approval for the construction of an impoundment or pit.

**This Notice Shall Include:**

Pursuant to W. Va. Code § 22-6A-10(b), this notice shall include: (1) copies of the application; (2) the erosion and sediment control plan required by section seven of this article; and (3) the well plat.

Pursuant to W. Va. Code § 22-6A-10(f), this notice shall include: (1) a statement of the time limits for filing written comments; (2) who may file written comments; (3) the name and address of the secretary for the purpose of filing the comments and obtaining additional information; and (4) a statement that the persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

Pursuant to W. Va. Code R. § 35-8-5.7.a, the operator shall provide the Well Site Safety Plan to the surface owner and any water purveyor or surface owner subject to notice and water testing as provided in section 15 of this rule.

Pursuant to W. Va. Code R. § 35-8-15.2.c, this notice shall: (1) contain a statement of the surface owner's and water purveyor's right to request sampling and analysis; (2) advise the surface owner and water purveyor of the rebuttable presumption for contamination or deprivation of a fresh water source or supply; advise the surface owner and water purveyor that refusal to allow the operator to conduct a pre-drilling water well test constitutes a method to rebut the presumption of liability; (3) advise the surface owner and water purveyor of his or her independent right to sample and analyze any water supply at his or her own expense; advise the surface owner and water purveyor whether or not the operator will utilize an independent laboratory to analyze any sample; and (4) advise the surface owner and or water purveyor that he or she can obtain from the Chief a list of water testing laboratories in the subject area capable of and qualified to test water supplies in accordance with standard acceptable methods.

Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

**Well Location Restrictions**

Pursuant to W. Va. Code § 22-6A-12, Wells may not be drilled within two hundred fifty feet measured horizontally from any existing water well or developed spring used for human or domestic animal consumption. The center of well pads may not be located within six hundred twenty-five feet of an occupied dwelling structure, or a building two thousand five hundred square feet or larger used to house or shelter dairy cattle or poultry husbandry. This limitation is applicable to those wells, developed springs, dwellings or agricultural buildings that existed on the date a notice to the surface owner of planned entry for surveying or staking as provided in section ten of this article or a notice of intent to drill a horizontal well as provided in subsection (b), section sixteen of this article was provided, whichever occurs first, and to any dwelling under construction prior to that date. This limitation may be waived by written consent of the surface owner transmitted to the department and recorded in the real property records maintained by the clerk of the county commission for the county in which such property is located. Furthermore, the well operator may be granted a variance by the secretary from these distance restrictions upon submission of a plan which identifies the sufficient measures, facilities or practices to be employed during well site construction, drilling and operations. The variance, if granted, shall include terms and conditions the department requires to ensure the safety and protection of affected persons and property. The terms and conditions may include insurance, bonding and indemnification, as well as technical requirements. (b) No well pad may be prepared or well drilled within one hundred feet measured horizontally from any perennial stream, natural or artificial lake, pond or reservoir, or a wetland, or within three hundred feet of a naturally reproducing trout stream. No well pad may be located within one thousand feet of a surface or ground water intake of a public water supply. The distance from the public water supply as identified by the department shall be measured as follows: (1) For a surface water intake on a lake or reservoir, the distance shall be measured from the boundary of the lake or reservoir. (2) For a surface water intake on a flowing stream, the distance shall be measured from a semicircular radius extending upstream of the surface water intake. (3) For a groundwater source, the distance shall be measured from the wellhead or spring. The department may, in its discretion, waive these distance restrictions upon submission of a plan identifying sufficient measures, facilities or practices to be employed during well site construction, drilling and operations to protect the waters of the state. A waiver, if granted, shall impose any permit conditions as the secretary considers necessary. (c) Notwithstanding the foregoing provisions of this section, nothing contained in this section prevents an operator from conducting the activities permitted or authorized by a Clean Water Act Section 404 permit or other approval from the United States Army Corps of Engineers within any waters of the state or within the restricted areas referenced in this section. (d) The well location restrictions set forth in this section shall not apply to any well on a multiple well pad if at least one of the wells was permitted prior to the effective date of this article. (e) The secretary shall, by December 31, 2012, report to the Legislature on the noise, light, dust and volatile organic compounds generated by the drilling of horizontal wells as they relate to the well location restrictions regarding occupied dwelling structures pursuant to this section. Upon a finding, if any, by the secretary that the well location restrictions regarding occupied dwelling structures are inadequate or otherwise require alteration to address the items



WW-6A  
(8-13)

API NO. 47- \_\_\_\_\_ - \_\_\_\_\_  
OPERATOR WELL NO. P4N2U  
Well Pad Name: P4

examined in the study required by this subsection, the secretary shall have the authority to propose for promulgation legislative rules establishing guidelines and procedures regarding reasonable levels of noise, light, dust and volatile organic compounds relating to drilling horizontal wells, including reasonable means of mitigating such factors, if necessary.

**Water Well Testing:**

Pursuant to West Virginia Code § 22-6A-10(d), notification shall be made, with respect to surface landowners identified in subsection (b) or water purveyors identified in subdivision (5), subsection (b) of this section, of the opportunity for testing their water well. The operator shall provide an analysis to such surface landowner or water purveyor at their request.

**Water Testing Laboratories:**

Pursuant to West Virginia Code § 22-6A-10(i), persons entitled to notice pursuant to subsection (b) of this section may contact the department to ascertain the names and locations of water testing laboratories in the subject area capable and qualified to test water supplies in accordance with standard accepted methods. In compiling that list of names the department shall consult with the state Bureau for Public Health and local health departments. A surface owner and water purveyor has an independent right to sample and analyze any water supply at his or her own expense. The laboratory utilized by the operator shall be approved by the agency as being certified and capable of performing sample analyses in accordance with this section.

**Rebuttable Presumption for Contamination or Deprivation of a Fresh Water Source or Supply:**

W. Va. Code § 22-6A-18 requires that (b) unless rebutted by one of the defenses established in subsection (c) of this section, in any action for contamination or deprivation of a fresh water source or supply within one thousand five hundred feet of the center of the well pad for horizontal well, there is a rebuttable presumption that the drilling and the oil or gas well or either was the proximate cause of the contamination or deprivation of the fresh water source or supply. (c) In order to rebut the presumption of liability established in subsection (b) of this section, the operator must prove by a preponderance of the evidence one of the following defenses: (1) The pollution existed prior to the drilling or alteration activity as determined by a predrilling or prealteration water well test. (2) The landowner or water purveyor refused to allow the operator access to the property to conduct a predrilling or prealteration water well test. (3) The water supply is not within one thousand five hundred feet of the well. (4) The pollution occurred more than six months after completion of drilling or alteration activities. (5) The pollution occurred as the result of some cause other than the drilling or alteration activity. (d) Any operator electing to preserve its defenses under subdivision (1), subsection (c) of this section shall retain the services of an independent certified laboratory to conduct the predrilling or prealteration water well test. A copy of the results of the test shall be submitted to the department and the surface owner or water purveyor in a manner prescribed by the secretary. (e) Any operator shall replace the water supply of an owner of interest in real property who obtains all or part of that owner's supply of water for domestic, agricultural, industrial or other legitimate use from an underground or surface source with a comparable water supply where the secretary determines that the water supply has been affected by contamination, diminution or interruption proximately caused by the oil or gas operation, unless waived in writing by that owner. (f) The secretary may order the operator conducting the oil or gas operation to: (1) Provide an emergency drinking water supply within twenty-four hours; (2) Provide temporary water supply within seventy-two hours; (3) Within thirty days begin activities to establish a permanent water supply or submit a proposal to the secretary outlining the measures and timetables to be used in establishing a permanent supply. The total time in providing a permanent water supply may not exceed two years. If the operator demonstrates that providing a permanent replacement water supply cannot be completed within two years, the secretary may extend the time frame on case-by-case basis; and (4) Pay all reasonable costs incurred by the real property owner in securing a water supply. (g) A person as described in subsection (b) of this section aggrieved under the provisions of subsections (b), (e) or (f) of this section may seek relief in court... (i) Notwithstanding the denial of the operator of responsibility for the damage to the real property owner's water supply or the status of any appeal on determination of liability for the damage to the real property owner's water supply, the operator may not discontinue providing the required water service until authorized to do so by the secretary or a court of competent jurisdiction.

**Written Comment:**

Pursuant to West Virginia Code § 22-6A-11(a), all persons described in subsection (b), section ten of this article may file written comments with the secretary as to the location or construction of the applicant's proposed well work within thirty days after the application is filed with the secretary. All persons described in West Virginia Code § 22-6A-10(b) may file written comments as to the location or construction of the applicant's proposed well work to the Secretary at:

Chief, Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> St. SE  
Charleston, WV 25304  
(304) 926-0450

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JAN 2 2018  
WV Department of  
Environmental Protection

Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water. **NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT.**

**Time Limits and Methods for Filing Comments.**

The law requires these materials to be served on or before the date the operator files its Application. You have **THIRTY (30) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Pursuant to West Virginia Code § 22-6A-11(c)(2), Any objections of the affected coal operators and coal seam owners and lessees shall be addressed through the processes and procedures that exist under sections fifteen, seventeen and forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article. The written comments filed by the parties entitled to notice under subdivisions (1), (2), (4), (5) and (6), subsection (b), section ten of this article shall be considered by the secretary in the permit issuance process, but the parties are not entitled to participate in the processes and proceedings that exist under sections fifteen, seventeen or forty, article six of this chapter, as applicable and as incorporated into this article by section five of this article.

**Comment Requirements**

Your comments must be in writing and include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

Disclaimer: All comments received will be placed on our web site <http://www.dep.wv.gov/oil-and-gas/Horizontal-Permits/Pages/default.aspx> and the applicant will automatically be forwarded an email notice that such comments have been submitted. The applicant will be expected to provide a response to comments submitted by any surface owner, water purveyor or natural gas storage operator noticed within the application.

**Permit Denial or Condition**

The Chief has the power to deny or condition a well work permit. Pursuant to West Virginia Code § 22-6A-8(d), the permit may not be issued or be conditioned, including conditions with respect to the location of the well and access roads prior to issuance if the director determines that:

- (1) The proposed well work will constitute a hazard to the safety of persons;
- (2) The plan for soil erosion and sediment control is not adequate or effective;
- (3) Damage would occur to publicly owned lands or resources; or
- (4) The proposed well work fails to protect fresh water sources or supplies.

A permit may also be denied under West Virginia Code § 22-6A-7(k), the secretary shall deny the issuance of a permit if the secretary determines that the applicant has committed a substantial violation of a previously issued permit for a horizontal well, including the applicable erosion and sediment control plan associated with the previously issued permit, or a substantial violation of one or more of the rules promulgated under this article, and in each instance has failed to abate or seek review of the violation within the time prescribed by the secretary pursuant to the provisions of subdivisions (1) and (2), subsection (a), section five of this article and the rules promulgated hereunder, which time may not be unreasonable.

Pursuant to West Virginia Code § 22-6A-10(g), any person entitled to submit written comments to the secretary pursuant to subsection (a), section eleven of this article, shall also be entitled to receive from the secretary a copy of the permit as issued or a copy of the order modifying or denying the permit if the person requests receipt of them as a part of the written comments submitted concerning the permit application. Such persons may request, at the time of submitting written comments, notice of the permit decision and a list of persons qualified to test water.

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WW-6A  
(8-13)

API NO. 47- \_\_\_\_\_  
OPERATOR WELL NO. P4N2U  
Well Pad Name: P4

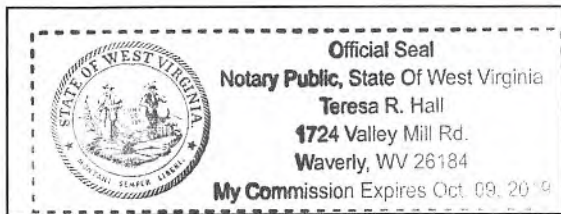
**Notice is hereby given by:**

Well Operator: Jay-Bee Oil & Gas, Inc.  
Telephone: 304-628-3111  
Email: sdowell@jaybeeoil.com

Address: 3570 Shields Hill Rd.  
Cairo, WV 26337  
Facsimile: 304-628-3119

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).



Subscribed and sworn before me this 15<sup>th</sup> day of Dec, 2017.

Teresa R. Hall Notary Public

My Commission Expires Oct 9<sup>th</sup> 2019

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Environmental Protection

P4 WW6A Notice Recipients

First	Surname	Address	City	State	Zip
John & Edith	Smith	4556 Arvilla Rd	Friendly	WV	26146
BB Land, LLC		75 Crosswinds Drive	Bridgeport	WV	26330
Jay-Bee Oil & Gas, Inc.		3570 Shields Hill Rd	Cairo	WV	26337
Linda Lou Fetty et al		2385 Left French Creek Road	St. Marys	WV	26170
Jay-Bee Oil & Gas, Inc.		3570 Shields Hill Rd	Cairo	WV	26337
Darin	Barber	11378 Dupont Rd.	Washington	WV	26181
Douglas & Lori	Renner	27 Renner Lane	Friendly	WV	26146
Pamela Jo & Charles	Bowie	261 Sugar Valley Rd	Friendly	WV	26146
Pamela Jo	Bowie	261 Sugar Valley Rd	Friendly	WV	26146
Melissa	Blake	283 Sugar Valley Rd	Friendly	WV	26146
Lenora	Coartney	4969 Arvilla Rd.	Friendly	WV	26146
William	Everett	5536 Arvilla Rd	Friendly	WV	26146

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WW-70  
Rev. 7/01

**Affidavit of Personal Service**

State Of West Virginia

County Of Ritchie

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form WW-2(A)    / WW-3(A)    / WW-4(A)    / WW-5(A)    / WW-6(A) X / WSSP x
- (2) Application on Form WW-2(B) X / WW-3(B)    / WW-4(B)    / WW-5(B)    / WW-6(B) X / E&S x
- (3) Plat showing the well location on Form WW-6, and x / WW-6A5 x / MSDS x
- (4) Construction and Reclamation Plan on Form WW-9 X
- (5) WWBA1 X WMPX WWGRW/AW

--all with respect to operator's Well No. P4N2, P4N2U, P4N6, P4S3, P4S4, P4S4U located in Union District, Pleasants County, West Virginia, upon the person or organization named--

Jay-Bee Oil & Gas, Inc.

--by delivering the same in Ritchie County, State of West Virginia on the 8-25-2017 day of August, 2017 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

Handing it to him    / her    / or, because he    / she    / refused to take it when offered it, by leaving it in his    / her    / presence.

Handing it to a member of his or her family above the age of 16 years named    who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

Handing it to   , a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

Handing it to the general partner, named   , or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

Handing it to the corporation's employee X / officer    / director    / attorney in fact    / named Travis Yost

[Signature]  
Signature of person-executing service

Taken, subscribed and sworn before me this 20<sup>th</sup> day of August, 2017  
My commission expires Oct 09 2019

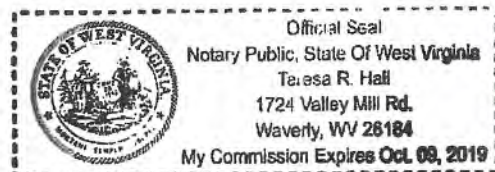
Michelle B. Hall  
Notary Public

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JAN 2 2018

WV Department of Environmental Protection

(AFFIX SEAL IF NOTARIZED OUTSIDE THE STATE)



WW-70  
Rev. 7/01

**Affidavit of Personal Service**

State Of West Virginia

County Of Harrison

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of all sides of--

- (1) Notice on Form WW-2(A) \_\_\_ / WW-3(A) \_\_\_ / WW-4(A) \_\_\_ / WW-5(A) \_\_\_ / WW-6(A) X / WSSP x
- (2) Application on Form WW-2(B) X / WW-3(B) \_\_\_ / WW-4(B) \_\_\_ / WW-5(B) \_\_\_ / WW-6(B) X / E&S x
- (3) Plat showing the well location on Form WW-6, and x / WW-6A5 x / MSDS x
- (4) Construction and Reclamation Plan on Form WW-9 X
- (5) WWGA3 X WMPX WWGRW/AW

--all with respect to operator's Well No. P4N2, P4N2U, P4N5, P4S3, P4S4, P4S4U located in Union District, Pleasants County, West Virginia, upon the person or organization named--

BB Land, LLC

--by delivering the same in Harrison County, State of West Virginia on the 25th day of August, 2017 in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

[ ] Handing it to him \_\_\_ / her \_\_\_ / or, because he \_\_\_ / she \_\_\_ / refused to take it when offered it, by leaving it in his \_\_\_ / her \_\_\_ / presence.

[ ] Handing it to a member of his or her family above the age of 16 years named \_\_\_ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

[ ] Handing it to \_\_\_, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

[ ] Handing it to the general partner, named \_\_\_, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

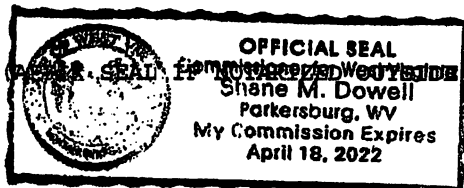
[X] Handing it to the corporation's employee \_\_\_ / officer X / director \_\_\_ / attorney in fact \_\_\_ / named Brian Paugh.

[Signature]  
(Signature of person executing service)

Taken, subscribed and sworn before me this 25 day of August 2017.  
My commission expires April 18, 2022

[Signature]  
Notary Public

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OFFICIAL SEAL  
Notary Public  
Shane M. Dowell  
Parkersburg, WV  
My Commission Expires  
April 18, 2022  
THE STATE)

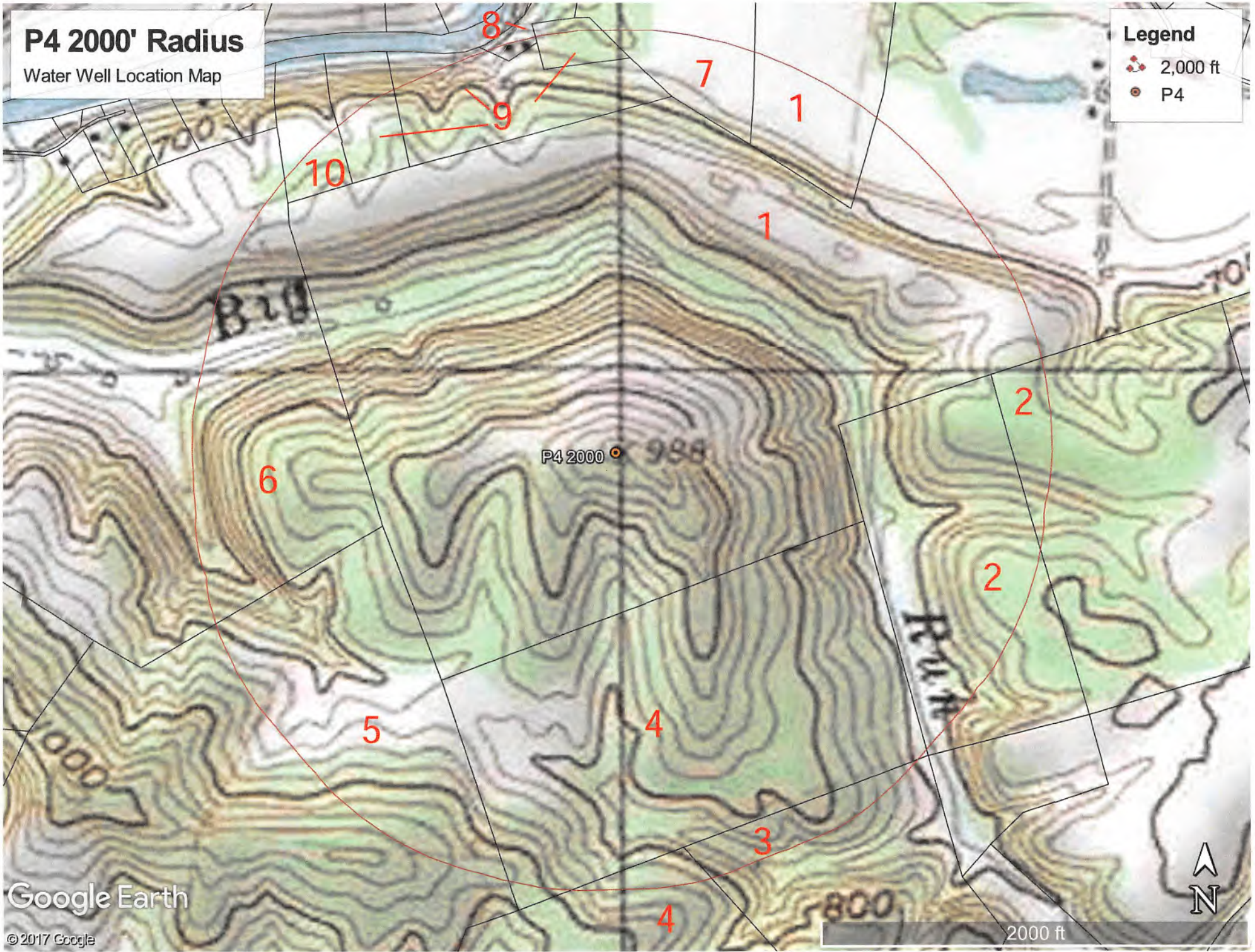


# P4 2000' Radius

Water Well Location Map

## Legend

-  2,000 ft
-  P4



Google Earth

© 2017 Google



2000 ft

4707302578



## P4 Topo Water Well Reference

Reference	Map	Parcel	First	Surname	Address	City	State	Zip
1	11; 6	16; 106	John & Edith	Smith	4556 Arvilla Rd	Friendly	WV	26146
2	11	17, 32.1, 18	BB Land, LLC		75 Crosswinds Drive	Bridgeport	WV	26330
3	11	30, 31	Jay-Bee Oil & Gas, Inc.		3570 Shields Hill Rd	Cairo	WV	26337
4	11	32	Linda Lou Fetty et al		2385 Left French Creek Road	St. Marys	WV	26170
5	11	28, 29	Jay-Bee Oil & Gas, Inc.		3570 Shields Hill Rd	Cairo	WV	26337
6	11	27	Darin	Barber	11378 Dupont Rd.	Washington	WV	26181
7	6	90.3	Douglas & Lori	Renner	27 Renner Lane	Friendly	WV	26146
8	6	91	Pamela Jo & Charles	Bowie	261 Sugar Valley Rd	Friendly	WV	26146
9	6; 11	92; 14, 13	Pamela Jo	Bowie	261 Sugar Valley Rd	Friendly	WV	26146
10	11	12	Melissa	Blake	283 Sugar Valley Rd	Friendly	WV	26146
Surface	12	1	Lenora	Coartney	4969 Arvilla Rd.	Friendly	WV	26146
Only	11	20	William	Everett	5536 Arvilla Rd	Friendly	WV	26146

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**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
**NOTICE OF ENTRY FOR PLAT SURVEY**

**Notice Time Requirement:** Notice shall be provided at least **SEVEN (7)** days but no more than **FORTY-FIVE (45)** days prior to entry

**Date of Notice:** 6-20-2016      **Date of Planned Entry:** 6-27-2016

**Delivery method pursuant to West Virginia Code § 22-6A-10a**

- PERSONAL SERVICE       REGISTERED MAIL       METHOD OF DELIVERY THAT REQUIRES A RECEIPT OR SIGNATURE CONFIRMATION

Pursuant to West Virginia Code § 22-6A-10(a), Prior to filing a permit application, the operator shall provide notice of planned entry on to the surface tract to conduct any plat surveys required pursuant to this article. Such notice shall be provided at least seven days but no more than forty-five days prior to such entry to: (1) The surface owner of such tract; (2) to any owner or lessee of coal seams beneath such tract that has filed a declaration pursuant to section thirty-six, article six, chapter twenty-two of this code; and (3) any owner of minerals underlying such tract in the county tax records. The notice shall include a statement that copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, which statement shall include contact information, including the address for a web page on the Secretary's web site, to enable the surface owner to obtain copies from the secretary.

**Notice is hereby provided to:**

- SURFACE OWNER(s)

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

- COAL OWNER OR LESSEE

Name: \_\_\_\_\_  
Address: \_\_\_\_\_

- MINERAL OWNER(s)

Name: Ridgetop Capital IV LP  
Address: PO Box 1183  
McMurray, PA 15317

\*please attach additional forms if necessary

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-10(a), notice is hereby given that the undersigned well operator is planning entry to conduct a plat survey on the tract of land as follows:

State: <u>West Virginia</u>	Approx. Latitude & Longitude: <u>494,006.47 X 4,364,087.10</u>
County: <u>Pleasants</u>	Public Road Access: <u>Arvilla Rd (CR7)</u>
District: <u>Union</u>	Watershed: <u>Middle Island Creek</u>
Quadrangle: <u>Bens Run 7.5'</u>	Generally used farm name: <u>John &amp; Edith Smith</u>

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450). Copies of such documents or additional information related to horizontal drilling may be obtained from the Secretary by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

**Notice is hereby given by:**

Well Operator: Jay-Bee Oil & Gas, Inc.  
Telephone: 304-628-3111  
Email: sdowell@jaybeeoil.com

Address: 3570 Shields Hill Rd.  
Cairo, WV 26337  
Facsimile: 304-628-3119

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**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).



*P4N24* Plat Notice Recipients

Surface Owner	Address	City	State	Zip
Ridgetop Capital IV LP	PO Box 1183	McMurray	PA	15317
Anthony D. Drane & Mary M. Drane	4276 Arvilla Road	Friendly	WV	26146
Ashbury Tice c/o Ralph Northcraft	PO Box 276	Friendly	WV	26146
Barron Kidd	3838 Oak Lawn Ave Apt 5725	Dallas	TX	75219
BB Land LLC	PO Box 380	Bridgeport	WV	26330
Benny Dale Wharton & Carrie Darlene Wharton	15 Sugar Valley Road	Friendly	WV	26146
Chad M. Edwards	223 Cedar Run Road	Friendly	WV	26146
Charles A Rumburg c/o Jack Renner	3756 Arvilla Road	Friendly	WV	26146
Clay Holmes	PO Box 581	Belmont	WV	26134
Clay Holmes c/o Craig Allen Holmes	4016 Arvilla Road	Friendly	WV	26146
David Gregg and Sandra Cowan	1028 Washington Garden Cir	Washington	WV	26181
Dennis L & Kristianna S. Venderlic	219 Cedar Run Road	Friendly	WV	26146
Donald James Wagner	HC 69 Box 2	Bens Run	WV	26135
Donald Wayne Bennett, Vicki Jane Bennett, Logan Victor Bennett	1016 Maple Street	St. Marys	WV	26170
Douglas D. & Lori K. Renner	27 Renner Lane	Friendly	WV	26146
Ervin V. Flesher etal c/o Tim Casey	2013 Pebble Beach Dr	League City	TX	77578
Eugene Hubert Stewart	441 Cove Road	Weirton	WV	26062
Everett & Katherine Curry	P.O. Box 675	Delbarton	WV	25670
Jack E. Renner & Hilda M Renner	3756 Arvilla Road	Friendly	WV	26146
James Keith & Cynthia K. Eakle	112 Donald Street	St. Marys	WV	26170
Jeffrey T & Lori M Renner	4425 Arvilla Road	Friendly	WV	26146
John A. Smith & Edith U. Smith	4556 Arvilla Road	Friendly	WV	26146
John Andrew Williams & John A. Williams Sr	9760 Steffas Road	Maybee	MI	48159
Joseph Adams Heirs c/o Eugene Stewart	441 Cove Road	Weirton	WV	26062
Katherine Louise Fleming	1417 23rd Street	Vienna	WV	26105
Marshall R. Satterfield	297 Cedar Run Road	Friendly	WV	26146
R William Edwards & Annelle L Edwards	622 Front Street	Marietta	OH	45759
Ralph/Chad Northcraft & c/o Brian Northcraft	PO Box 276	Friendly	WV	26146
Rick & Deborah K. Day	283 Cedar Run Road	Friendly	WV	26146
Rodney Ray Holmes	11212 Sterling Cove Dr	Chesterfield	VA	23838
Rodney Ray Holmes & Craig Allen Holmes c/o Craig A Holmes	4016 Arvilla Road	Friendly	WV	26146
Stephen E. Grose & Amy Jo Grose	25 Spruce Run Road	Friendly	WV	26146
Trio Petroleum Corp - Waco Oil and Gas	14860 Montfort Drive	Dallas	TX	75254

RECEIVED  
Office of Oil and Gas

JAN 2 2013

WV Department of  
Environmental Protection

**STATE OF WEST VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS  
NOTICE OF PLANNED OPERATION**

**Notice Time Requirement:** notice shall be provided no later than the **filing date of permit application.**

**Date of Notice:** 12/13/2017      **Date Permit Application Filed:** 12/15/2017

**Delivery method pursuant to West Virginia Code § 22-6A-16(c)**

- CERTIFIED MAIL  
RETURN RECEIPT REQUESTED
- HAND  
DELIVERY

Pursuant to W. Va. Code § 22-6A-16(c), no later than the date for filing the permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner whose land will be used for the drilling of a horizontal well notice of the planned operation. The notice required by this subsection shall include: (1) A copy of this code section; (2) The information required to be provided by subsection (b), section ten of this article to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. (d) The notices required by this section shall be given to the surface owner at the address listed in the records of the sheriff at the time of notice.

**Notice is hereby provided to the SURFACE OWNER(s)**  
(at the address listed in the records of the sheriff at the time of notice):

Name: Jay-Bee Oil & Gas, Inc.  
Address: 3570 Shields Hill Rd Cairo WV 26337

Name: BB Land, LLC  
Address: 75 Crosswinds Drive Bridgeport WV 26330

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>494,015.06</u>
County:	<u>Pleasants</u>		Northing:	<u>4,364,094.73</u>
District:	<u>Union</u>	Public Road Access:	<u>Arvilla Rd (CR7)</u>	
Quadrangle:	<u>Bens Run 7.5'</u>	Generally used farm name:	<u>John &amp; Edith Smith</u>	
Watershed:	<u>Middle Island Creek</u>	RECEIVED Office of Oil and Gas JAN 2 2018		

**This Notice Shall Include:**

Pursuant to West Virginia Code § 22-6A-16(c), this notice shall include: (1) A copy of this code section; (2) The information required to be provided by **W. Va. Code § 22-6A-10(b)** to a surface owner whose land will be used in conjunction with the drilling of a horizontal well; and (3) A proposed surface use and compensation agreement containing an offer of compensation for damages to the surface affected by oil and gas operations to the extent the damages are compensable under article six-b of this chapter. Additional information related to horizontal drilling may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 601 57<sup>th</sup> Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting [www.dep.wv.gov/oil-and-gas/pages/default.aspx](http://www.dep.wv.gov/oil-and-gas/pages/default.aspx).

Well Operator: Jay-Bee Oil & Gas, Inc.  
Telephone: 304-628-3111  
Email: sdowell@jaybeeoil.com

Address: 3570 Shields Hill Rd.  
Cairo, WV 26337  
Facsimile: 304-628-3119

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).



WW-6A5  
(1/12)

**STATE OF WEST VIRGINIA**  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS**  
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**Notice is hereby provided to the SURFACE OWNER(s)**

(at the address listed in the records of the sheriff at the time of notice):

Name: John & Edith Smith  
Address: 4556 Arvilla Rd Friendly WV 26146

Name: Linda Lou Fetty et al  
Address: 2385 Left French Creek Road St. Marys WV 26170

**Notice is hereby given:**

Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>494,015.06</u>
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District:	<u>Union</u>	Public Road Access:	<u>Arvilla Rd (CR7)</u>	
Quadrangle:	<u>Bens Run 7.5'</u>	Generally used farm name:	<u>John &amp; Edith Smith</u>	
Watershed:	<u>Middle Island Creek</u>			

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Well Operator: Jay-Bee Oil & Gas, Inc.  
Telephone: 304-628-3111  
Email: sdowell@jaybeeoil.com

Address: 3570 Shields Hill Rd.  
Cairo, WV 26337  
Facsimile: 304-628-3119

**Oil and Gas Privacy Notice:**

The Office of Oil and Gas processes your personal information, such as name, address and telephone number, as part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use or your personal information, please contact DEP's Chief Privacy Officer at [depprivacyofficer@wv.gov](mailto:depprivacyofficer@wv.gov).



WW-6A5  
(1/12)

**STATE OF WEST VIRGINIA**  
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**Notice is hereby provided to the SURFACE OWNER(s)**

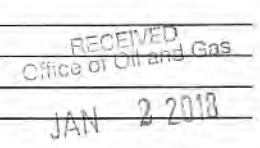
(at the address listed in the records of the sheriff at the time of notice):

Name: Lenora Coartney  
Address: 4969 Arvilla Rd. Friendly WV 26146

Name: William Everett  
Address: 5536 Arvilla Rd Friendly WV 26146

**Notice is hereby given:**

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District: <u>Union</u>	Public Road Access: <u>Arvilla Rd (CR7)</u>	
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## WEST VIRGINIA DEPARTMENT OF TRANSPORTATION

## Division of Highways

1900 Kanawha Boulevard East • Building Five • Room 110  
Charleston, West Virginia 25305-0430 • (304) 558-3505

Thomas J. Smith, P. E.  
Secretary of Transportation/  
Commissioner of Highways

July 19, 2018

Jill M. Newman  
Deputy Commissioner

James A. Martin, Chief  
Office of Oil and Gas  
Department of Environmental Protection  
601 57<sup>th</sup> Street, SE  
Charleston, WV 25304

Subject: DOH Permit for the P4 Pad, Pleasants County  
P4N2U Well site

RECEIVED  
Office of Oil and Gas

MAR 14 REC'D

WV Department of  
Environmental Protection

Dear Mr. Martin,

This well site will be accessed from a DOH permit #03-2018-0350 issued to Jay-Bee Oil & Gas, Inc. for access to the State Road for a well site located off of Pleasants County Route 7 SLS.

The operator has signed a DISTRICT WIDE OIL AND GAS ROAD MAINTENANCE BONDING AGREEMENT and provided the required Bond. This operator is currently in compliance with the DOH OIL AND GAS POLICY dated January 3, 2012.

Very Truly Yours,

Gary K. Clayton, P.E.  
Regional Maintenance Engineer  
Central Office O&G Coordinator

Cc: Shane Dowell  
Jay-Bee Oil & Gas, Inc.  
CH, OM, D-6  
File

4707302578



**JAY-BEE OIL & GAS, INC.**

Permitting Office  
Office of Oil and Gas  
West Virginia Dept. of Environmental Protection  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304

RE: Frac Additives

Permitting Office:

As requested on the Well Permit Checklist, the CAS numbers are referenced for all submitted permits on WW6B, page 1, and listed below:

- Water (7732-18-5)
- Sand (14808-60-7, 1344-28-1, 1309-37-1, 13463-67-7)
- Friction Reducer (64742-47-8)
- Scale Inhibitor (107-21-1, 111-46-6)
- Bacteria Prevention (111-30-8, 7173-51-5, 68424-85-1, 64-17-5)
- 15% Vol Acid (7647-01-0)
- Citric Acid (77-92-9)
- Guar Gum (9000-30-0)
- Corrosion Inhibitor (67-56-1, 107-19-7)
- Surfactant (111-76-2)

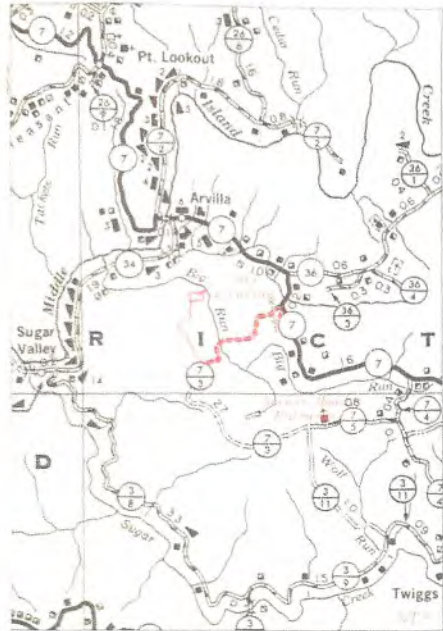
If you would have any questions concerning this matter, please feel free to contact our office at the numbers listed below.

Sincerely,

Shane Dowell  
Office Manager

RECEIVED  
Office of Oil and Gas  
JAN 2 2013  
WV Department of  
Environmental Protection





FOR A LEGAL MAP, SEE MAP BY NAME FROM THE STATE

# P4 Well Pad Site Plan Modification

Union District, Pleasant County, WV  
Prepared for JAY BEE OIL & GAS

Date: May 07, 2018

**APPROVED**  
**WVDEP OOG**  
WVS 6/8/2018



WEST VIRGINIA  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
DISTRICTS  
AND DISTRICT HEADQUARTERS

REVISIONS

05-07-2018	Revised Road
05-11-2018	Revised Detail

**WEST VIRGINIA 811**  
CALL BEFORE YOU DIG!  
800.245.4848  
www.WV811.com

Notes  
No water wells were found within 250' of the well location. No structures were found within 625' of the center of the well pad.



Sheet	Description
1	Cover
2	Details & Notes
3	Details
4	Details
5	Details
6	Details
7	Road Plan & Profile
8	Road Plan & Profile
9	Road Plan & Profile
10	Road Plan & Profile
11	Road Plan & Profile
12	Road Plan & Profile
13	Road Plan & Profile
14	Road Plan & Profile
15	Road Plan & Profile
16	Road Plan & Profile
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98	Road Plan & Profile
99	Road Plan & Profile
100	Road Plan & Profile

<b>CENTER PAD</b>	
Geographic NAD 83	
Latitude	39.426756
Longitude	81.069598
<b>CENTER ROAD INT.</b>	
(Sta. 0+00)	
Geographic NAD 83	
Latitude	39.426779
Longitude	81.066506

Note: Stream and Wetland delineation are from Alstar Biology report dated November 29, 2017. All property lines shown are approximate and have not been field verified. Stream Impact chart on Sheet 2.

TOTAL LENGTH OF DOCUMENT: 11001 (31 X) SHEETS

**Design Certification**  
The drawings, construction notes and reference diagrams attached hereto have been prepared in accordance with the West Virginia Code of State Rules, Division of Environmental Protection, Office of Oil and Gas.  
The information reflects a gas well pad and access road.

Dennis L. Fisher, RPE 8584  
Dennis L. Fisher, PE

05-11-2018  
Date

**North Central Engineering, LLC**  
Dennis L. Fisher, RPE  
P.O. Box 828  
Princeton, WV 26340  
Cell: 504-677-4121  
Fax: 504-677-4121  
E-Mail: Dennis.L.Fisher@NorthCentralEngineering.com

**Jackson Surveying Inc.**

COVER  
SHEET 1  
P4 Well Pad

877 W Main St  
Charmers, WV 26028  
304-622-3801

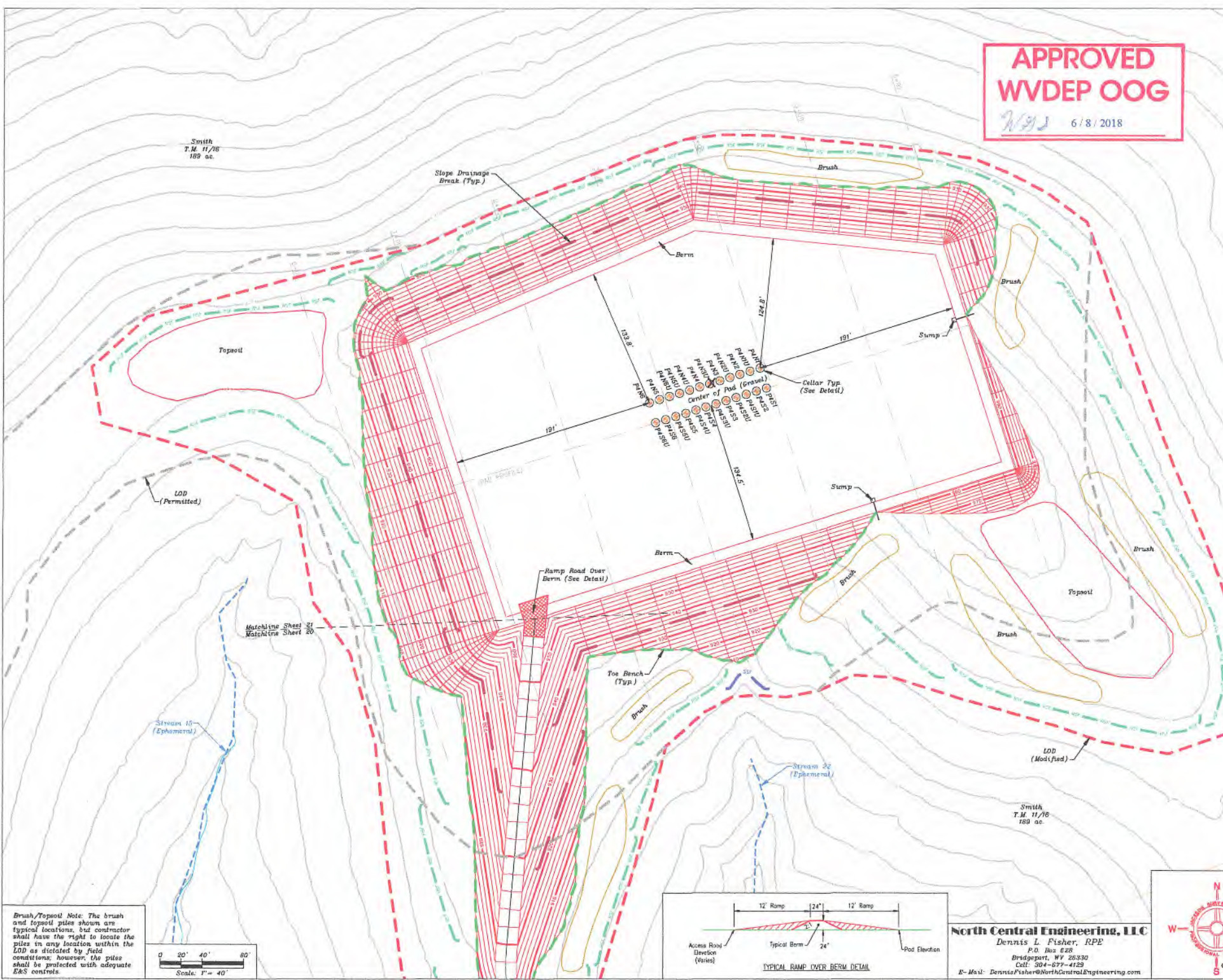




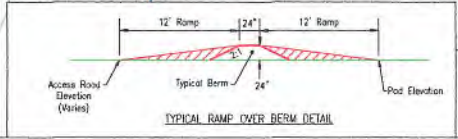
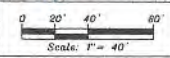
**APPROVED  
WVDEP OOG**

WV 6/8/2018

Smith  
T.M. 11/16  
169 ac.



**Brush/Topsoil Note:** The brush and topsoil pile shown are typical locations, but contractor shall have the right to locate the piles in any location within the LOD as dictated by field conditions; however, the piles shall be protected with adequate E&S controls.



**North Central Engineering, LLC**  
Dennis L. Fisher, RPE  
P.O. Box 628  
Bridgeport, WV 26330  
Cell: 304-877-4128  
E-Mail: Dennis.Fisher@NorthCentralEngineering.com

