



west virginia department of environmental protection

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

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

Tuesday, July 16, 2019
WELL WORK PERMIT
Horizontal 6A / New Drill

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

UNION, NJ 070830000

Re: Permit approval for P5N2U
47-073-02595-00-00

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

Operator's Well Number: P5N2U
Farm Name: BB LAND LLC
U.S. WELL NUMBER: 47-073-02595-00-00
Horizontal 6A New Drill
Date Issued: 7/16/2019

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.

CONDITIONS

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.



west virginia department of environmental protection

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

Barry K. Lay, Chairman
dep.wv.gov

June 18, 2019

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

RE: Application for Deep Well Permit – API #47-073-02595

COMPANY: Jay-Bee Oil & Gas, Inc.

FARM: BB Land, LLC P5N2U

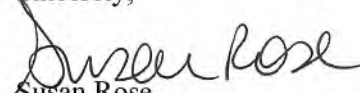
COUNTY: Pleasants DISTRICT: Union QUAD: Bens Run

The deep well review of the application for the above company is Approved to drill to Trenton for Point Pleasant completion

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; 47-073-02588, 47-073-02583, 47-073-02579, 47-073-02578, 47-073-02593, 47-073-02587; the following wells were permitted as deep wells but are producing from shallow formations 47-073-02484, 47-073-02502, 47-073-02495, 47-073-02428, 47-073-01314
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,


Susan Rose
Administrator

WW-6B
(04/15)

API NO. 47- _____ - _____
OPERATOR WELL NO. P5N2U
Well Pad Name: P5

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: P5N2U Well Pad Name: P5

3) Farm Name/Surface Owner: BB Land, LLC Public Road Access: Arvilla Rd.

4) Elevation, current ground: 896.1' Elevation, proposed post-construction: 868.1'

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

JEB
4/18/19

6) Existing Pad: Yes or No No

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Utica: 10,196' Depth, 256' Thickness, 8000 psi, Trenton: 10,481' Depth Thickness, 180' Thickness, 8000 psi

8) Proposed Total Vertical Depth: 10,481' TVD, 10,196' TVD (Horizontal section)

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

10) Proposed Total Measured Depth: 23,797'

11) Proposed Horizontal Leg Length: 12,555.3'

12) Approximate Fresh Water Strata Depths: 127'

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

14) Approximate Saltwater Depths: 1,756.1'

15) Approximate Coal Seam Depths: 456.1-461.1'

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

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

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

WW-6B
(04/15)

4707302595

API NO. 47- _____ - _____
 OPERATOR WELL NO. P5N2U
 Well Pad Name: P5

18)

CASING AND TUBING PROGRAM

TYPE	<u>Size (in)</u>	<u>New or Used</u>	<u>Grade</u>	<u>Weight per ft. (lb/ft)</u>	<u>FOOTAGE: For Drilling (ft)</u>	<u>INTERVALS: Left in Well (ft)</u>	<u>CEMENT: Fill-up (Cu. Ft.)/CTS</u>
Conductor	26	New	H40	94 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 2,468 Cu. Ft.
Production	5 1/2	New	P110	23 lb./ft	23,797'	23,797'	5,266.7 Cu. Ft.
Tubing	N/A						
Liners	N/A						

*JCB
4/8/19*

TYPE	<u>Size (in)</u>	<u>Wellbore Diameter (in)</u>	<u>Wall Thickness (in)</u>	<u>Burst Pressure (psi)</u>	<u>Anticipated Max. Internal Pressure (psi)</u>	<u>Cement Type</u>	<u>Cement Yield (cu. ft./k)</u>
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	Class H	1.36-2.08
Tubing	N/A						
Liners	N/A						

PACKERS

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

WW-6B
(10/14)

API NO. 47- _____ - _____
OPERATOR WELL NO. P5N2U
Well Pad Name: P5

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 from TD to KOP, effectively plugging the Trenton formation, and drill a Horizontal section through the Point Pleasant formation.

JCB
4/8/19

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): 21.6

22) Area to be disturbed for well pad only, less access road (acres): 10.67

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:

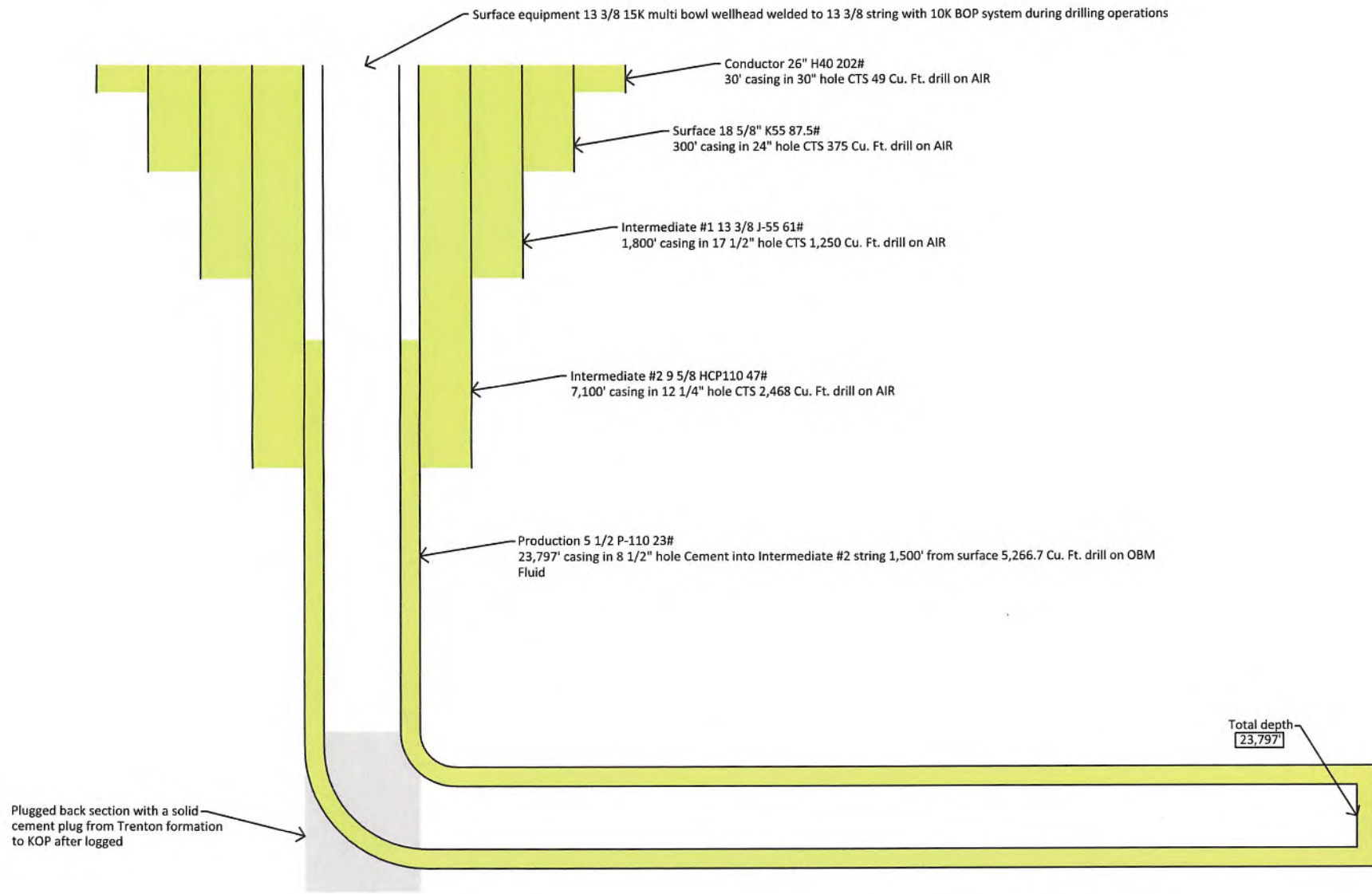
Air Hole: 24" 17 1/2" & 12 1/4" - Circulate until clean with air. If soaping, slug then dry.

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.

4707302595

Well Name: P5N2U Pleasants County, WV
GL Elevation: 868.1' Cement 



JEB
4/8/19

P5N2U Area of Review					
API	Operator	Status	Vertical TD	Producing Formation	Producing Zones Not Perforated
073-00476	Unknown	Abandoned	565'	Cow Run	
073-00491-P	Unknown	Plugged	1590'	Injun	
073-01095	Mountaineer Gas Transmission Inc 240J Sissonville Dr, Charleston, WV 25387	Active	4808'	Benson - Ohio Shale	
073-01959	K Petroleum Inc. 81 Mill St #205, Gahanna, OH 43230	Active	4565'	Benson Devonian - Speechley	
073-02106	Macfarlan Oil & Gas, LLC 6941 Bonds Creek Rd, Ellenboro, WV 26346	Abandoned	1705'	Big Injun	
073-92774					
073-92775					
073-92776					
073-92777					
073-92778					
073-92789					
073-92918					
073-92919					
073-92921					
073-92925					
073-92888					
073-92889					
073-92891					

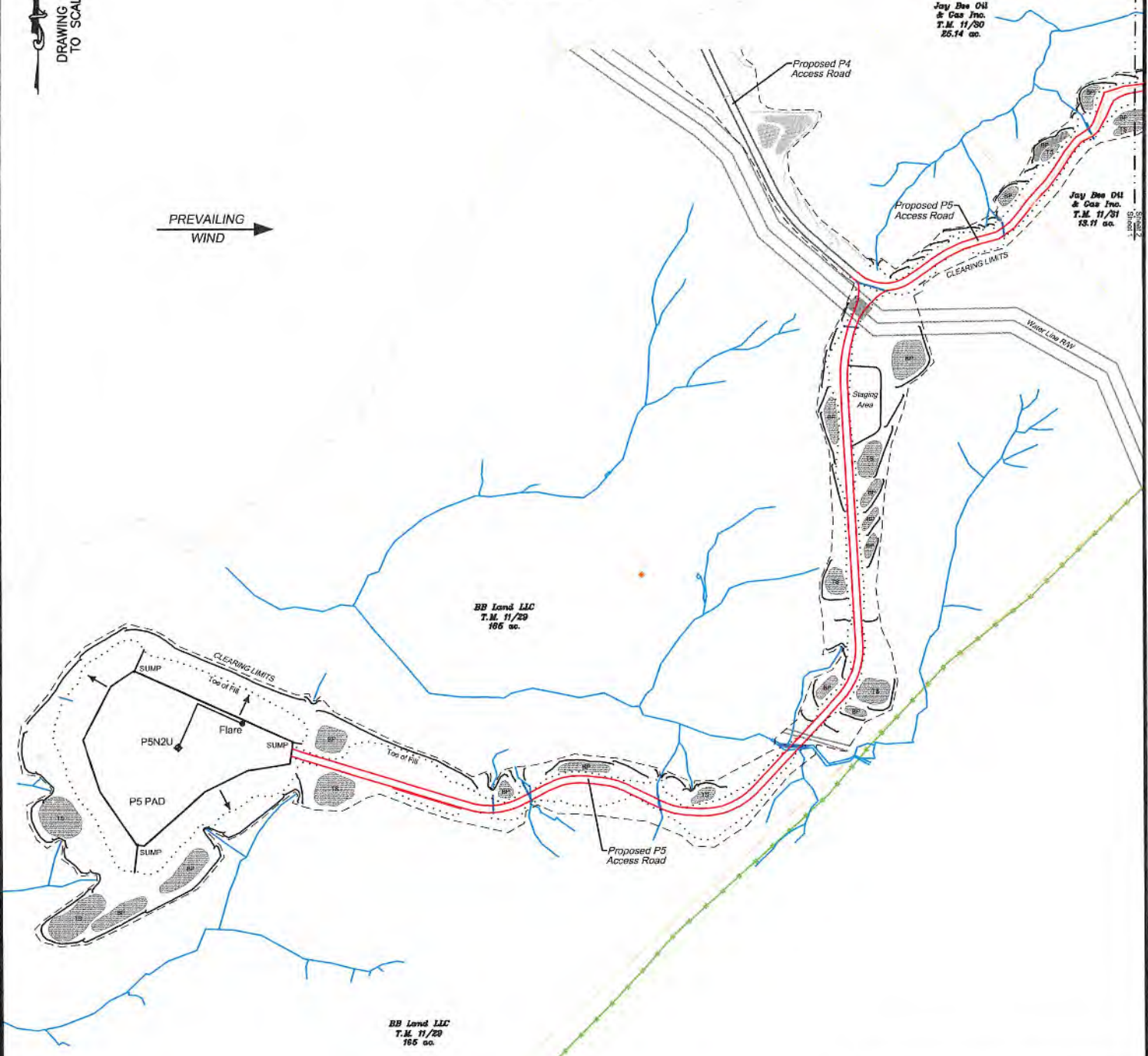
73-02595

PROPOSED P5 PAD P5N2U

Exhibit 1
SHEET 1

DRAWING NOT
TO SCALE

PREVAILING
WIND →



LEGEND	
BP	Timber/Brush Pile
TS	Topsoil Stockpile
—	Sediment and Erosion Control
- - -	Clearing Limits (LOD)
—	Edge of Road
—	Stream
- - -	Field Fence
- - -	Property Line

Jackson Surveying Inc.
677 W. Main St.
Clarksburg, Wv 26301
Phone: 304-623-6861

TOPO SECTION:	
BENS RUN 75'	
COUNTY	DISTRICT
PLEASANTS	UNION
DRAWN BY	PROJECT
J.A.H	P5N2U

OPERATOR:	
PREPARED FOR:	
JAYBEE OIL & GAS INC. 3510 SHIELDS HILL RD. CAIRO, WV 26337	
DATE	SCALE
03-29-2019	NONE

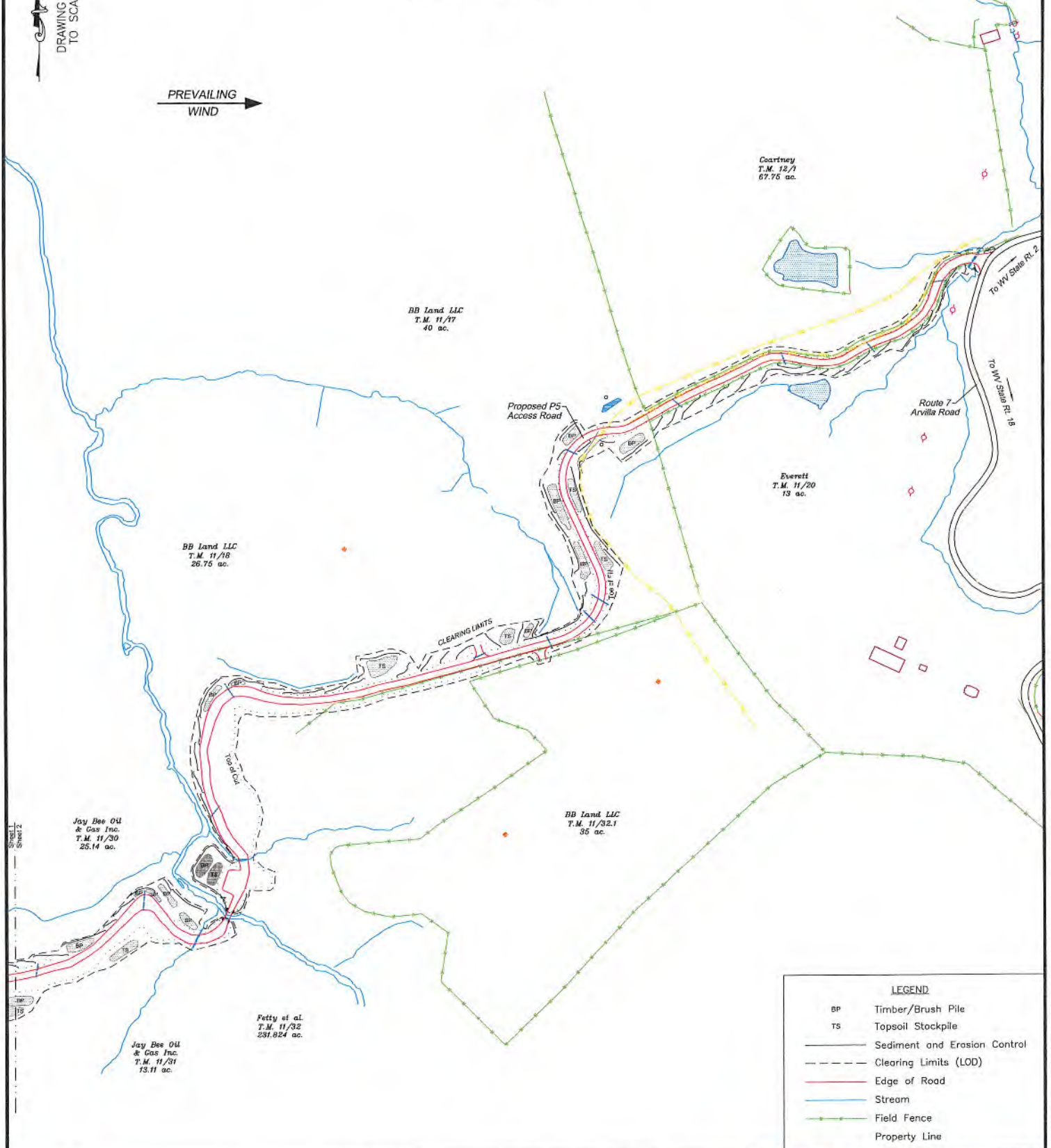
Jay Bee Oil & Gas
DRILLING
into the future

PROPOSED P5 PAD P5N2U

Exhibit 1
SHEET 2

DRAWING NOT TO SCALE

PREVAILING WIND →



LEGEND

- BP Timber/Brush Pile
- TS Topsoil Stockpile
- Sediment and Erosion Control
- - - Clearing Limits (LOD)
- Edge of Road
- Stream
- Field Fence
- Property Line

Jackson Surveying Inc.
677 W. Main St.
Clarksburg, Wv 26301
Phone: 304-623-6951

TOPO SECTION:	
BENS RUN 7.5'	
COUNTY	DISTRICT
PLEASANTS	UNION
DRAWN BY	PROJECT
J.A.H	P5N2U

OPERATOR:	
PREPARED FOR:	
JAYBEE OIL & GAS INC. 3570 SHIELDS HILL RD. CAIRO, WV 26337	
DATE	SCALE
03-29-2019	NONE

Jay Bee Oil & Gas
DRILLING into the future

WW-9
(4/16)

API Number 47 - _____ - _____

Operator's Well No. P5N2U

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)

Handwritten signature and date: JCB 4/8/19

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 _____

Company Official (Typed Name) Chris Lindsey

Company Official Title Office Manager

Subscribed and sworn before me this 4th day of April, 20 19

Handwritten signature: Teresa R. Hall

My commission expires Oct 9th 2019

Notary Public



OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Teresa R. Hall
2402 11th Ave #4
Vienna, WV 26105
My Commission Expires Oct. 09, 2019

Jay-Bee Oil & Gas, Inc.

Proposed Revegetation Treatment: Acres Disturbed 21.6 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:

J. Craig Blum

Comments:

Title:

Oil & Gas Inspector

Date:

4/8/2019

Field Reviewed?

(X) Yes

() No

P5N2U

**WELL
SITE
SAFETY
PLAN**

JAY-BEE OIL & GAS, INC

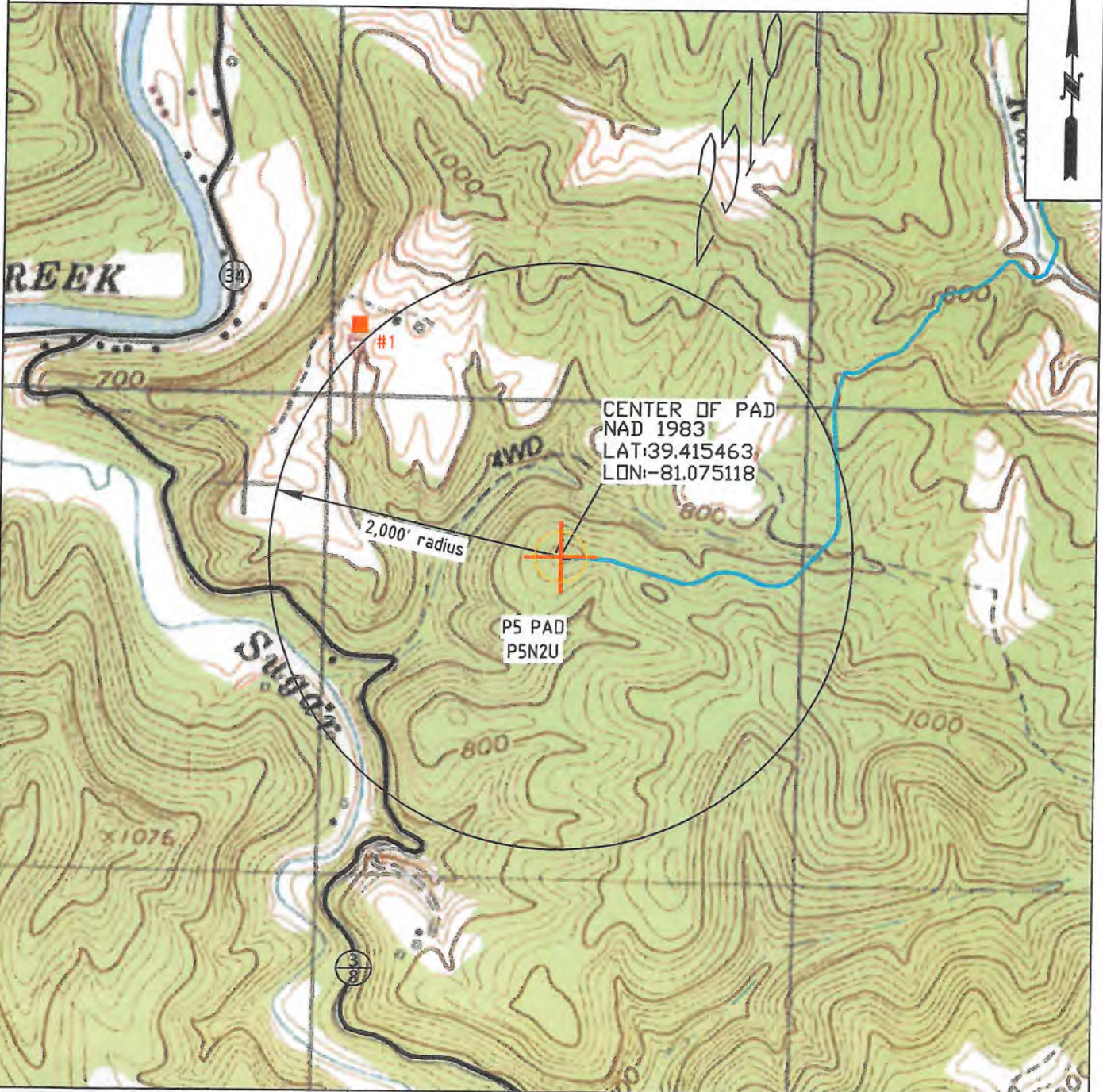
*JCB
4/8/19*

WW-6A

PROPOSED P5 PAD P5N2U

SUPPLEMENT PG 1

There appears to be One (1) possible water source within 2,000'.



Jay Bee
Oil & Gas
DRILLING
into the future

OPERATOR	P5N2U	TOPO SECTION	LEASE NAME
JAYBEE OIL & GAS INC. 3570 Shields Hill Rd. Cairo, WV 26337		BENS RUN 7.5'	BB LAND LLC
		SCALE: 1" = 1000'	DATE: DATE: 04-01-2019

WW-6A

Supplement Pg. 1A

JayBee Oil & Gas Inc.
3570 Shields Hill Rd.
Cairo, WV 26337

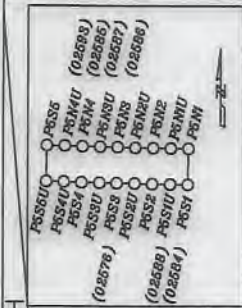
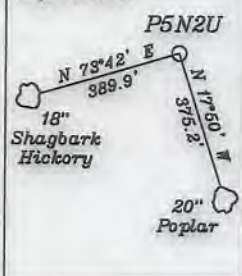
WATER WELL REPORT

Well: P5N2U
District: Union
County: Pleasants
State: WV

There appears to be One (1) possible water source within 2,000 feet of the above referenced well location.

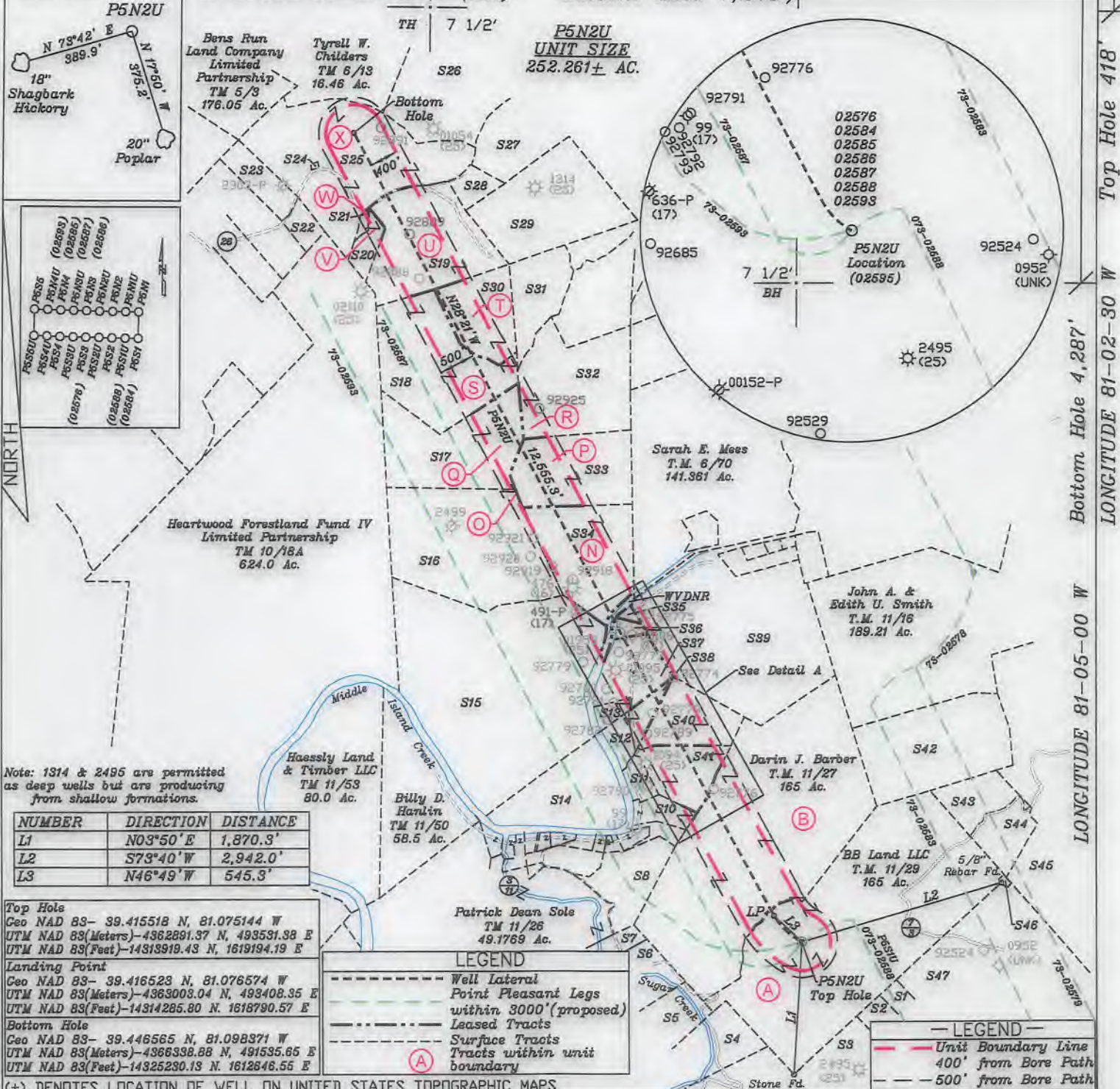
Topo Spot # 1 (House/Cabin) TM 11 Par. 27 Darin J. Barber 330-949-5384 330-451-9909 304-863-6333 1745 Sweetkeaf Cir. Massillon, OH 44647		
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References:



LATITUDE 39-27-30 N (BH)

Bottom Hole 4,246'



Note: 1314 & 2495 are permitted as deep wells but are producing from shallow formations.

NUMBER	DIRECTION	DISTANCE
L1	N03°50'E	1,870.3'
L2	S73°40'W	2,942.0'
L3	N46°49'W	545.3'

Top Hole
 Geo NAD 83- 39.415518 N, 81.075144 W
 UTM NAD 83(Meters)-4362881.37 N, 493531.98 E
 UTM NAD 83(Feet)-14313919.43 N, 1619194.19 E

Landing Point
 Geo NAD 83- 39.416523 N, 81.076574 W
 UTM NAD 83(Meters)-4363008.04 N, 493408.35 E
 UTM NAD 83(Feet)-14314285.80 N, 1618790.57 E

Bottom Hole
 Geo NAD 83- 39.446565 N, 81.098371 W
 UTM NAD 83(Meters)-4366338.88 N, 491535.85 E
 UTM NAD 83(Feet)-14325230.13 N, 1612846.55 E

LEGEND

- Well Lateral
- Point Pleasant Legs within 3000'(proposed)
- Leased Tracts
- Surface Tracts
- Tracts within unit boundary

LEGEND

- Unit Boundary Line
- 400' from Bore Path
- 500' from Bore Path

(+) 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 J. Jackson
 R.P.E. _____ P.S. 708



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

DATE April 26, 2019
 OPERATOR'S WELL NO. P5N2U
 API WELL NO. _____

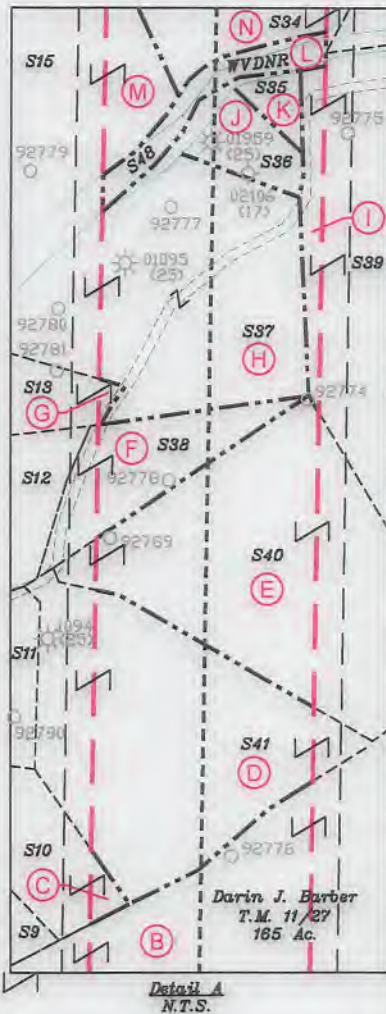
WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS") PRODUCTION X STORAGE _____ DEEP X SHALLOW _____
 LOCATION: ELEVATION 868.1' WATER SHED Sugar Creek of Outlet Middle Island Creek (HUC-10)
 DISTRICT Union COUNTY Pleasants
 QUADRANGLE Bens Run 7 1/2'
 SURFACE OWNER BB Land LLC ACREAGE 165.0 Ac.
 OIL & GAS ROYALTY OWNER Jay-Bee Royalty LEASE ACREAGE 165.0 Ac.
 LEASE NO. P7207

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 = 10,196'; TMD = 23,797'
 WELL OPERATOR Jay-Bee Oil & Gas, Inc. DESIGNATED AGENT Randy Broda
 ADDRESS 1720 Route 22 E, Union, NJ 07083 ADDRESS 3570 Shields Hill Rd., Cairo, WV 26337

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

P5N2U
UNIT SIZE
252.261± AC.



TRACT	SURFACE OWNER	TM PARCEL Union Dist.	ACRES
S1	MATTHEW A. & DAWNA M. TAYLOR	11 / 43	18.6
S2	MATTHEW A. & DAWNA M. TAYLOR	11 / 44	25.8
S3	MELANIE JO MANUSE REVOCABLE TRUST	11 / 41	123.27
S4	GOLDEN EAGLES RESOURCES LLC & HUMMER PROPERTIES LLC	11 / 40	62.063
S5	MAX E. & LINDA L. HALL & CLINTON HALL JR.	11 / 34	38.33
S6	GOLDEN EAGLE RESOURCES LLC	11 / 35	30.893
S7	EDWARD W. JEFFREY L. WILLIAMSON	11 / 33	14.25
S8	KENNETH G. & DORIS A. HOLMES	11 / 25.12	21.267
S9	JOSHUA S. & ABIGAIL K. HOLMES	11 / 25.14	2.268
S10	RONALD S. & VICKIE L. HOLMES	11 / 25.11	0.75
S11	EMMA JULIA FELL MIXER	11 / 25	5.033
S12	GARY BURIAN	11 / 2	6.1
S13	EDWARD B. & MELISSA K. HOLMES	11 / 3.2	3.447
S14	KENNETH G. HOLMES, ET AL	11 / 25.7	40.88
S15	E. K. WILLIAMSON, EST.	11 / 1	157.5
S16	BB LAND, LLC	6 / 66	85.0
S17	HEARTWOOD FORESTLAND FUND IV LIMITED PARTNERSHIP	6 / 64	60.0
S18	LOUIE A. STANLEY	6 / 37	60.0
S19	CHARLES R. & BETH ANN MANKINS	6 / 30	45.0
S20	DAVID ROGER & PATTY SUE MCCARTNEY	6 / 30.1	6.0
S21	DAVID ROGER & PATTY SUE MCCARTNEY	6 / 31	0.75
S22	NATHAN WADE BENNETT	6 / 109	5.011
S23	TIMOTHY R. & PAMELA J. NICHOLS	5 / 38	11.21
S24	CEMETERY	p/o 6/100	-
S25	HEARTWOOD FORESTLAND FUND IV LIMITED PARTNERSHIP	6 / 100	84
S26	RODNEY A. & TRUDY L. PETHTEL	6 / 14	29.885
S27	BENNY E. & NANCY J. DALRYMPLE	6 / 26	20.697
S28	RICHARD L. LEWIS JR. & BERYLANN LEWIS	6 / 32	6.08
S29	SILTSTONE RESOURCES II, LLC	6 / 33	51.478
S30	CHARLES R. & BETH ANN MANKINS	6 / 38	23.5
S31	CHARLES R. & BETH ANN MANKINS	6 / 39	25.5
S32	HAESSLY LAND & TIMBER, LLC	6 / 65	47.5
S33	ROBERT WILLIAM BUTLER, ET AL	6 / 67	37.0
S34	ROBERT WILLIAM BUTLER, ET AL	6 / 103	38.93
S35	ROGER Q. & KIMBERLY A. HOLMES, ET AL	11 / 4	1.0
S36	ROGER Q. & KIMBERLY A. HOLMES, ET AL	11 / 3.1	1.75
S37	KENNETH G. HOLMES, ET AL	11 / 3	18.45
S38	EMMA JULIA FELL MIXER	11 / 25.2	4.687
S39	ROGER Q. & KIMBERLY A. HOLMES	11 / 5	111.0
S40	ROGER Q. & KIMBERLY A. HOLMES	11 / 25.9	20.53
S41	MARVIN E. & SANDRA K. LAMM	11 / 25.10	19.29
S42	BB LAND, LLC	11 / 28	56.5
S43	JAY BEE OIL & GAS, INC.	11 / 30	25.14
S44	JAY BEE OIL & GAS, INC.	11 / 31	13.11
S45	LARRY WILLIAM HORNER, ET AL	11 / 32	231.82
S46	GARDNER CEMETERY	11 / 45.1	0.39
S47	MATTHEW A. & DAWNA M. TAYLOR	11 / 45	94.61
S48	WEST VIRGINIA DIVISION OF NATURAL RESOURCES	MIDDLE ISLAND CREEK	2.17

47-073-02595 H6A



Notes:

1. All wells within 500' of the horizontal leg are shown on this plat based upon information taken from DEP mapping, well plats, & aerial photos.
2. Ties to wells and corners are based on State Plane Grid North-WV North Zone NAD 83.
3. No water wells were found within 250' of the well location. No dwellings or buildings were found within 625' from the center of the pad. No perennial stream is located within 100' of the LOD. No producing trout stream is located within 300' of the LOD.
4. All deep wells within 3000' of well bore path are shown on this plat.

P.S. 705

David L. Jackson



Jay Bee
Oil & Gas
DRILLING
into the future

OPERATOR'S WELL #: P5N2U	P5N2U Well Plat
PERMIT#: 047-073-02595	PAGE 2 OF 4
DISTRICT: UNION	DATE: 04/26/2019
COUNTY: PLEASANTS	
STATE: WV	

JACKSON SURVEYING

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

P5N2U
UNIT SIZE
252.261± AC.

<u>Tracts</u>	<u>Tax Map/Parcel Union District</u>	<u>Lease #</u>	<u>Lessor, Grantor, etc</u>
A	11/29	P7207	Jay Bee Royalty
B	11/27	P7206	Hazel Bunner
B	11/27	P7206	Antero Resources Corp
B	11/27	P7206	Jay Bee Royalty
C	11/25.11	P7267L	Virginia Ruth Fell Sole
D	11/25.10	P7267J	Marvin and Sandra K. Lamm
D	11/25.10	P7267J	Emma Julia Fell Mixer
D	11/25.10	P7267J	Virginia Ruth Fell Sole
E	11/25.9	P7267I	Roger and Kimberly. Holmes
E	11/25.9	P7267I	Emma Julia Fell Mixer
E	11/25.9	P7267I	Virginia Ruth Fell Sole
F	11/25.2	P7267B	Marvin and Sandra K. Lamm
F	11/25.2	P7267B	Emma Julia Fell Mixer
F	11/25.2	P7267B	Roger and Kimberly. Holmes
F	11/25.2	P7267B	Kenneth G. Holmes
F	11/25.2	P7267B	Ronald and Vickie Holmes
G	11/3.2	P7267Q	Emma Julia Fell Mixer
G	11/3.2	P7267Q	Edward Holmes
G	11/3.2	P7267Q	Melissa Holmes
H	11/3	P7267O	Kenneth G. Holmes
H	11/3	P7267O	Roger and Kimberly. Holmes
H	11/3	P7267O	Ronald and Vickie Holmes
H	11/3	P7267O	Marvin and Sandra K. Lamm
H	11/3	P7267O	Emma Julia Fell Mixer
I	11/5	P7195	Roger and Kimberly Holmes
J	11/3.1	P7267P	Roger and Kimberly Holmes
K	11/4	P7267R	Roger and Kimberly Holmes
L	Middle Island Creek	MIC 5	West Virginia Division of Natural Resources
M	11/1	P7041	Linda Shimer
M	11/1	P7041	John Grim
N	6/103	P7059	Ridgetop Capital IV LP
N	6/103	P7059	BB Land LLC
O	6/66	P7039	Ridgetop Capital IV LP
O	6/66	P7039	BB Land LLC
P	6/67	P7201	Robert and Kathleen Butler
P	6/67	P7201A	Robert and Kathleen Butler
Q	6/64	P7122	Erma K. Pethel
Q	6/64	P7122	John Grim
Q	6/64	P7122	Linda L. Shimer
Q	6/64	P7122	Blackrock Enterprises
R	6/65	P7200	Haessly Land and Timber, LLC

47-073-02595 H6A



P.S. 708 *David L. Jackson*

Notes: The information on this page was furnished by Jay Bee Oil & Gas.



Jay Bee Oil & Gas
DRILLING into the future

OPERATOR'S WELL #:	<u>P5N2U</u>	<u>P5N2U Well Plat</u>
PERMIT#:	<u>047-073-02595</u>	<u>PAGE 3 OF 4</u>
DISTRICT:	<u>UNION</u>	<u>DATE: 04/26/2019</u>
COUNTY:	<u>PLEASANTS</u>	
STATE:	<u>WV</u>	

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

P5N2U
UNIT SIZE
252.261± AC.

<u>Tracts</u>	<u>Tax Map/Parcel Union District</u>	<u>Lease #</u>	<u>Lessor, Grantor, etc</u>
S	6/37	P7121	Erma K. Pethel
S	6/37	P7121	John Grim
S	6/37	P7121	Linda L. Shimer
S	6/37	P7121	Blackrock Enterprises
T	6/38	P7111	Riverside Resources
U	6/30	P7070	Ridgetop Capital IV LP
U	6/30	P7070	BB Land LLC
V	6/30.1	P7070A	Roger and Patty McCartney
V	6/30.1	P7070A	Viviam Battista
V	6/30.1	P7070A	Anne Bowers
V	6/30.1	P7070A	Alice J. Brown
V	6/30.1	P7070A	Don Buchanan
V	6/30.1	P7070A	Suzanne Cross
V	6/30.1	P7070A	Brenda Davis
V	6/30.1	P7070A	Mathew Eubanks
V	6/30.1	P7070A	Todd Eubanks
V	6/30.1	P7070A	David Hayes
V	6/30.1	P7070A	James Hodnett
V	6/30.1	P7070A	Robert Hodnett
V	6/30.1	P7070A	Michael Howell
V	6/30.1	P7070A	Deanna Klaus
V	6/30.1	P7070A	Janet Latto
V	6/30.1	P7070A	Rebecca Linquist
V	6/30.1	P7070A	John Logan
V	6/30.1	P7070A	Mary Marchetti
V	6/30.1	P7070A	Eddie Martin
V	6/30.1	P7070A	Melissa Moore
V	6/30.1	P7070A	Jeanie Neil
V	6/30.1	P7070A	Kevin Pethel
V	6/30.1	P7070A	Robert A. Pethel
V	6/30.1	P7070A	Carissa L. Phillips
V	6/30.1	P7070A	Cindi Rice
V	6/30.1	P7070A	Everette Riley
V	6/30.1	P7070A	Lawrence Riley
V	6/30.1	P7070A	Richard Sheetz
V	6/30.1	P7070A	Robert Weldon
V	6/30.1	P7070A	Mona Wilson
V	6/30.1	P7070A	Special Commissioner Jeffery Dye- 18-P-13
W	6/31	P7070B	Roger and Patty McCartney
X	6/100	P7113	Linda L. Shimer
X	6/100	P7113	John Grim
X	6/100	P7113	Erma Pethel
X	6/100	P7113	Blackrock Enterprises



P.S. 708 *David L. Jackson*

47-073-02595 H6A

Notes: The information on this page was furnished by Jay Bee Oil & Gas.



Jay Bee
 Oil & Gas

DRILLING
 into the future

OPERATOR'S
 WELL #: P5N2U
 PERMIT#: 047-073-02595
 DISTRICT: UNION
 COUNTY: PLEASANTS
 STATE: WV

P5N2U Well Plat
 PAGE 4 OF 4
 DATE: 04/26/2019

WW-6A1
(5/13)

Operator's Well No. P5N2U

**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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PLEASE SEE ATTACHED EXHIBIT TO 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 and Gas, Inc.

By: Chris Lindsey

Its: Office Manger

73-02595

PSN2U Exhibit to WW 6A1						
Tracts	Tax Map/Parcel Union District	Lease #	Lessor, Grantor, etc	Lessee, Grantee, etc	Royalty	Deed Book-Page
A	11/29	P7207	Jay Bee Royalty	BB, Land, LLC	≥12.5%	312-199
B	11/27	P7206	Hazel Bunner	Antero Resources Corp	≥12.5%	301-242
B	11/27	P7206	Antero Resources Corp	BB, Land, LLC	assignment	318-620
B	11/27	P7206	Jay Bee Royalty	BB, Land, LLC	affidavit	
C	11/25.11	P7267L	Virginia Ruth Fell Sole	BB, Land, LLC	≥12.5%	317-13
D	11/25.10	P7267J	Marvin and Sandra K. Lamm	BB, Land, LLC	≥12.5%	317-30
D	11/25.10	P7267J	Emma Julia Fell Mixer	BB, Land, LLC	≥12.5%	317-25
D	11/25.10	P7267J	Virginia Ruth Fell Sole	BB, Land, LLC	≥12.5%	317-13
E	11/25.9	P7267I	Roger and Kimberly Holmes	BB, Land, LLC	≥12.5%	316-644
E	11/25.9	P7267I	Emma Julia Fell Mixer	BB, Land, LLC	≥12.5%	317-25
E	11/25.9	P7267I	Virginia Ruth Fell Sole	BB, Land, LLC	≥12.5%	317-13
F	11/25.2	P7267B	Marvin and Sandra K. Lamm	BB, Land, LLC	≥12.5%	317-30
F	11/25.2	P7267B	Emma Julia Fell Mixer	BB, Land, LLC	≥12.5%	317-25
F	11/25.2	P7267B	Roger and Kimberly Holmes	BB, Land, LLC	≥12.5%	316-644
F	11/25.2	P7267B	Kenneth G. Holmes	BB, Land, LLC	≥12.5%	317-21
F	11/25.2	P7267B	Ronald and Vickie Holmes	BB, Land, LLC	≥12.5%	317-17
G	11/3.2	P7267Q	Emma Julia Fell Mixer	BB, Land, LLC	≥12.5%	317-25
G	11/3.2	P7267Q	Edward Holmes	BB Land, LLC	≥12.5%	316-641
G	11/3.2	P7267Q	Melissa Holmes	BB Land, LLC	≥12.5%	316-638
H	11/3	P7267O	Kenneth G. Holmes	BB, Land, LLC	≥12.5%	317-21
H	11/3	P7267O	Roger and Kimberly Holmes	BB, Land, LLC	≥12.5%	316-644
H	11/3	P7267O	Ronald and Vickie Holmes	BB, Land, LLC	≥12.5%	317-17
H	11/3	P7267O	Marvin and Sandra K. Lamm	BB, Land, LLC	≥12.5%	317-30
H	11/3	P7267O	Emma Julia Fell Mixer	BB, Land, LLC	≥12.5%	317-25
I	11/5	P7195	Roger and Kimberly Holmes	BB, Land, LLC	≥12.5%	316/648
J	11/3.1	P7267P	Roger and Kimberly Holmes	BB, Land, LLC	≥12.5%	316-644
K	11/4	P7267R	Roger and Kimberly Holmes	BB, Land, LLC	≥12.5%	316-644
L	Middle Island Creek	MIC 5	West Virginia Division of Natural Resources	Jay Bee Production Company	≥12.5%	pending
L	Middle Island Creek	MIC 5	Jay Bee Production Company	Jay Bee Oil and Gas, Inc	affidavit	
M	11/1	P7041	Linda Shimer	BB, Land, LLC	≥12.5%	293/620
M	11/1	P7041	John Grim	BB, Land, LLC	≥12.5%	293/619
N	6/103	P7059	Ridgetop Capital IV LP	BB, Land, LLC	≥12.5%	294-257
N	6/103	P7059	BB Land LLC	Jay Bee Oil and Gas, Inc	affidavit	
O	6/66	P7039	Ridgetop Capital IV LP	BB, Land, LLC	≥12.5%	294-257
O	6/66	P7039	BB Land LLC	Jay Bee Oil and Gas, Inc	affidavit	
P	6/67	P7201	Robert and Kathleen Butler	BB, Land, LLC	≥12.5%	316/558
P	6/67	P7201A	Robert and Kathleen Butler	BB, Land, LLC	≥12.5%	316/558
Q	6/64	P7122	Erma K. Pethel	Blackrock Enterprises	≥12.5%	304/479
Q	6/64	P7122	John Grim	Blackrock Enterprises	≥12.5%	293/619
Q	6/64	P7122	Linda L. Shimer	Blackrock Enterprises	≥12.5%	293/620
Q	6/64	P7122	Blackrock Enterprises	BB, Land, LLC	assignment	295/2018
R	6/65	P7200	Haessly Land and Timber, LLC	BB Land LLC	≥12.5%	Pending
S	6/37	P7121	Erma K. Pethel	Blackrock Enterprises	≥12.5%	304/479
S	6/37	P7121	John Grim	Blackrock Enterprises	≥12.5%	293/619
S	6/37	P7121	Linda L. Shimer	Blackrock Enterprises	≥12.5%	293/620
S	6/37	P7121	Blackrock Enterprises	BB, Land, LLC	assignment	295/197
T	6/38	P7111	Riverside Resources	BB, Land, LLC	≥12.5%	300/193
U	6/30	P7070	Ridgetop Capital IV LP	BB, Land, LLC	≥12.5%	294-257
U	6/30	P7070	BB Land LLC	Jay Bee Oil and Gas, Inc	affidavit	
V	6/30.1	P7070A	Roger and Patty McCartney	BB, Land, LLC	≥12.5%	324/331
V	6/30.1	P7070A	Viviam Battista	BB, Land, LLC	≥12.5%	324/580
V	6/30.1	P7070A	Anne Bowers	BB, Land, LLC	≥12.5%	324/610
V	6/30.1	P7070A	Alice J. Brown	BB, Land, LLC	≥12.5%	324/322
V	6/30.1	P7070A	Don Buchanan	BB, Land, LLC	≥12.5%	324/604
V	6/30.1	P7070A	Suzanne Cross	BB, Land, LLC	≥12.5%	325/147
V	6/30.1	P7070A	Brenda Davis	BB, Land, LLC	≥12.5%	324/356
V	6/30.1	P7070A	Mathew Eubanks	BB, Land, LLC	≥12.5%	324/359
V	6/30.1	P7070A	Todd Eubanks	BB, Land, LLC	≥12.5%	325/162
V	6/30.1	P7070A	David Hayes	BB, Land, LLC	≥12.5%	324/319
V	6/30.1	P7070A	James Hodnett	BB, Land, LLC	≥12.5%	325/150
V	6/30.1	P7070A	Robert Hodnett	BB, Land, LLC	≥12.5%	325/156
V	6/30.1	P7070A	Michael Howell	BB, Land, LLC	≥12.5%	324/353
V	6/30.1	P7070A	Deanna Klaus	BB, Land, LLC	≥12.5%	324/344
V	6/30.1	P7070A	Janet Latto	BB, Land, LLC	≥12.5%	324/607
V	6/30.1	P7070A	Rebecca Linquist	BB, Land, LLC	≥12.5%	324/350
V	6/30.1	P7070A	John Logan	BB, Land, LLC	≥12.5%	324/583
V	6/30.1	P7070A	Mary Marchetti	BB, Land, LLC	≥12.5%	324/601
V	6/30.1	P7070A	Eddie Martin	BB, Land, LLC	≥12.5%	322/409
V	6/30.1	P7070A	Melissa Moore	BB, Land, LLC	≥12.5%	324/589
V	6/30.1	P7070A	Jeanie Neil	BB, Land, LLC	≥12.5%	324/347
V	6/30.1	P7070A	Kevin Pethel	BB, Land, LLC	≥12.5%	326/632
V	6/30.1	P7070A	Robert A. Pethel	BB, Land, LLC	≥12.5%	324/592
V	6/30.1	P7070A	Carissa L. Phillips	BB, Land, LLC	≥12.5%	324/598
V	6/30.1	P7070A	Cindi Rice	BB, Land, LLC	≥12.5%	324/341
V	6/30.1	P7070A	Everette Riley	BB, Land, LLC	≥12.5%	324/341
V	6/30.1	P7070A	Lawrence Riley	BB, Land, LLC	≥12.5%	325/153
V	6/30.1	P7070A	Richard Sheetz	BB, Land, LLC	≥12.5%	325/159
V	6/30.1	P7070A	Robert Weldon	BB, Land, LLC	≥12.5%	328/128
V	6/30.1	P7070A	Mona Wilson	BB, Land, LLC	≥12.5%	324/595
V	6/30.1	P7070A	Special Commissioner Jeffery Dye- 18-P-13	BB, Land, LLC	≥12.5%	329/70
W	6/31	P7070B	Roger and Patty McCartney	BB, Land, LLC	≥12.5%	324/331
X	6/100	P7113	Linda L. Shimer	Blackrock Enterprises	≥12.5%	293/620
X	6/100	P7113	John Grim	Blackrock Enterprises	≥12.5%	293/619
X	6/100	P7113	Erma Pethel	Blackrock Enterprises	≥12.5%	304/479
X	6/100	P7113	Blackrock Enterprises	BB, Land, LLC	assignment	295/197

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 P5N2U 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

73-02595

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 4th day of April, 2019 by Randy Broda, President of Jay-Bee Oil & Gas, Inc., on behalf of the corporation.

My commission expires: July 23, 2020.

[Signature]
Randy Broda, Managing Member of Jay-Bee Royalty, LLC

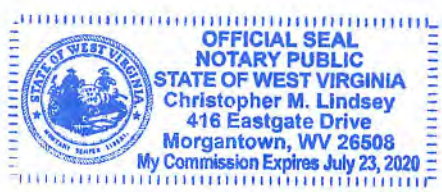
[Signature]
NOTARY PUBLIC



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

My commission expires: July 23, 2020.

[Signature]
NOTARY PUBLIC



73-02595

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 P5N2U, 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.

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 4th day of April, 2019 by Randy Broda, President of Jay-Bee Oil & Gas, Inc., on behalf of the corporation.

My commission expires: July 23, 2020.

Randy Broda, Managing Member of BB Land, LLC

NOTARY PUBLIC



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

My commission expires: July 23, 2020.

NOTARY PUBLIC



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

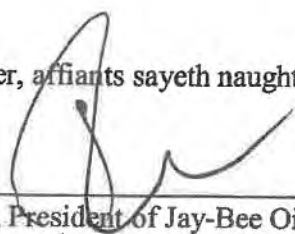
STATE OF WEST VIRGINIA

COUNTY OF RITCHIE, to-wit:

Randy Broda, President of Jay-Bee Oil & Gas, Inc., and Randy Broda, Managing Member of Jay-Bee Production Company, 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 Production Company, 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 Production Company.
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 P5N2U 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.

Further, affiants sayeth naught.



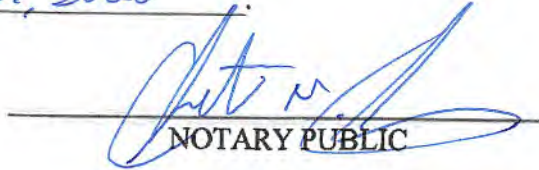
Randy Broda, President of Jay-Bee Oil & Gas, Inc.

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

My commission expires: July 23, 2020

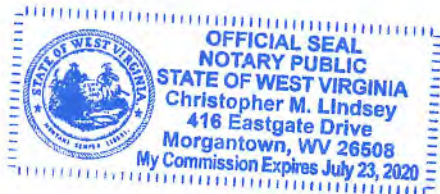


Randy Broda, President of Jay-Bee Production Company


NOTARY PUBLIC

Taken, subscribed and sworn to before me, the undersigned Notary Public, this 4th day of April, 2019 by Randy Broda, President of Jay-Bee Production Company, on behalf of the company.

My commission expires: July 23, 2020


NOTARY PUBLIC



JAY-BEE OIL & GAS, INC.

April 4, 2019

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

RE: P5N2U Well

Permitting Office:

As you know we have applied for a well permit for the P5N2U Well in Pleasants County, West Virginia. This pad is located on what we call the P7207 tract. Sugar Valley Rd (CR34) runs 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,

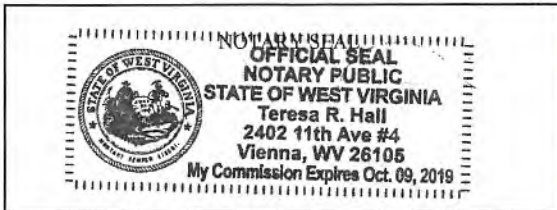
A handwritten signature in black ink, appearing to read 'Chris Lindsey', with a large, sweeping flourish at the end.

Chris Lindsey
Office Manager

Certification of Notice is hereby given:

THEREFORE, I Christopher Lindsey, 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:	<u>Jay-Bee Oil & Gas, Inc.</u>	<i>chb</i> Address:	<u>3570 Shields Hill Rd.</u>
By:	<u>Chris Lindsey</u>		<u>Cairo, WV 26337</u>
Its:	<u>Office Manager</u>	Facsimile:	<u>304-628-3119</u>
Telephone:	<u>304-628-3111</u>	Email:	<u>clindsey@jaybeeoil.com</u>



Subscribed and sworn before me this 4th day of April 2019.

Teresa R. Hall Notary Public

My Commission Expires Oct 9th 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 depprivacyofficer@wv.gov.

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: 4/4/2019 **Date Permit Application Filed:** 4/9/2019

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: BB Land, LLC
Address: P.O. Box 380, Bridgeport, WV 26330

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

SURFACE OWNER(s) (Road and/or Other Disturbance)
Name: Terry Coartney
Address: 5091 Arvilla Rd., Friendly, WV 26146

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

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: Darren Barber
Address: 1745 Sweetkeaf Cir. Massillon, OH 44647

OPERATOR OF ANY NATURAL GAS STORAGE FIELD
Name: _____
Address: _____

*Please attach additional forms if necessary

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 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting 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

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 57th St. SE
Charleston, WV 25304
(304) 926-0450

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.

WW-6A
(8-13)

API NO. 47- 73 - 02595
OPERATOR WELL NO. P5N2U
Well Pad Name: P5

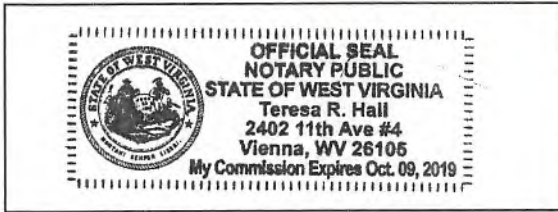
Notice is hereby given by:

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



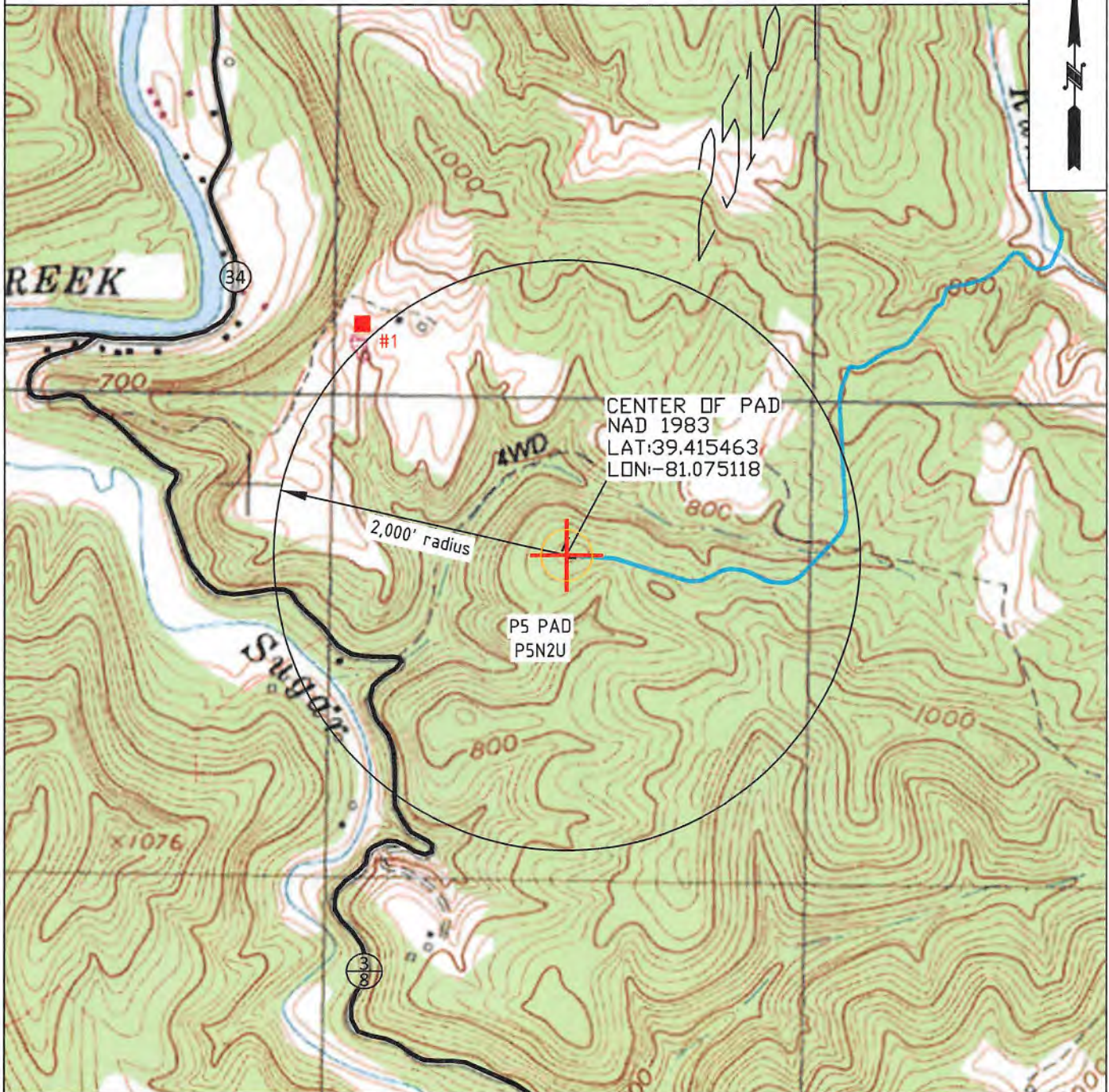
Subscribed and sworn before me this 4th day of Apr., 2019.
Teresa R. Hall Notary Public
My Commission Expires Oct 9th 2019


WW-6A

PROPOSED P5 PAD P5N2U

SUPPLEMENT PG 1

There appears to be One (1) possible water source within 2,000'.



 <p>Jay Bee Oil & Gas DRILLING Into the future</p>	OPERATOR	P5N2U	TOPO SECTION	LEASE NAME
	JAYBEE OIL & GAS INC. 3570 Shields Hill Rd. Cairo, WV 26337		BENS RUN 7.5'	BB LAND LLC
			SCALE: 1" = 1000'	DATE: DATE: 04-01-2019

WW-2B1

Well No. P5N2U

West Virginia Department of Environmental Protection
Office of Oil and Gas

NOTICE TO SURFACE OWNERS

The well operator named below is preparing to file for a permit from the state to drill a new well. Before a well work permit can be filed with the Chief of the Office of Oil and Gas, the well operator is required to have given notice of the right to request water well or spring analytical testing. This notice shall be given to the owners or occupants of land which have a water well or spring being utilized for human consumption, domestic animals, or other general use and which is located within 1000 feet of the proposed well site.

With this form, the operator is giving you notice of your right to request analytical testing. The operator is required to sample and analyze the water wells or springs of all owners or occupants who request it. Therefore, if you wish to have your water well or spring tested, contact the operator named below.

All sampling shall be completed prior to drilling. Within thirty (30) days of the receipt of such sample analyses the operator shall submit the results to the Chief of the Office of Oil and Gas and to the owners or occupants who may have requested them.

If no water well or spring is located within 1000 feet, the Chief may require the operator to sample and analyze water from a water well or spring within 2000 feet of the proposed well site.

Be advised, you have the right to sample and analyze any water supply at your own expense.

The laboratory used by the operator to analyze the samples will be approved by the Chief. The operator named below has decided to use the following laboratory to analyze the water samples:

	Contractor Name	Reliance Laboratories
x	Well operator's private laboratory	
Well Operator	Jay-Bee Oil & Gas, INC	
Address	3570 Shields Hill Rd / 1720 Route 22 East	
	Cairo, WV 26337 / Union, NJ 07083	
Telephone	304-628-3111	

FOR OPERATOR'S USE ONLY: Below, or on an attached page, list those persons which were given this notice. Place an asterisk beside the one(s) that contacted you and requested sampling and analyses. If there were no requests made, indicate by underling which one you have selected to sample and analyze. If there are no water wells or springs within 1000 feet of the proposed site please indicate such.

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: 4/4/2019 **Date of Planned Entry:** 3/23/2019

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:

<input checked="" type="checkbox"/> SURFACE OWNER(s) Name: <u>BB Land, LLC</u> Address: <u>P.O. Box 380</u> <u>Bridgeport, WV 26330</u> Name: _____ Address: _____ Name: _____ Address: _____	<input type="checkbox"/> COAL OWNER OR LESSEE Name: _____ Address: _____ <input type="checkbox"/> MINERAL OWNER(s) Name: _____ Address: _____ _____ *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>39.419061, -81.081318</u>
County: <u>Pleasants</u>	Public Road Access: <u>Arvilla Rd.</u>
District: <u>Bens Run 7.5</u>	Watershed: <u>Middle Island Creek</u>
Quadrangle: <u>Middle Island Creek</u>	Generally used farm name: _____

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 57th 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.

Notice is hereby given by:

Well Operator: <u>Jay Bee Oil and Gas, Inc</u>	Address: <u>3570 Shields Hill Rd.</u>
Telephone: <u>304-628-3111</u>	<u>Cairo, WV 26337</u>
Email: <u>clindsey@jaybeeoil.com</u>	Facsimile: <u>304-628-3119</u>

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.

WW6A3 Listing P5N2U	Address
BB Land, LLC (personal service)	PO Box 380 Bridgeport, WV 26170
Michael Benedum	P.O. Box 342 Salem, WV 26426
Hazel Bunner	5302 Pike Rd St. Marys, WV 26170
Marvin and Sandra Lamm	1592 Doolin Run Rd. New Martinsville, WV 26155
Darren Barber	1745 Sweetleaf Cir Massilliom, OH 44647
Emma Mixer	P.O. Box 2303 Parkersburg, WV 26102
Virginia Sole	148 Ambritt Drive Washington, WV 26181
Ronald Holmes	P.O. Box 312 Belmont, WV 26134
Roger and Kim Holmes	1049 Sugar Valley Rd., Friendly, WV 26146
Edward and Melissa Holmes	9079 Hebron Rd., St. Marys, WV 26170
Kenneth Holmes	1516 Henry Camp Rd., St. Marys, WV 26170
Ridgetop Capital	380 Southpointe Blvd, Plaza II Suite 300, Canonsburg, PA 15317
William and Cathleen Butler	307 Autumn Run Rd., Friendly, WV 26146
Charles and Beth Mankins	21 Mound Manor, St. Marys, WV 26170
Heartwood Forestland Fund, VII	19045 Stone Mtn Rd., Abingdon, VA 24210
Tyrell Childers	7765 Mt. Carmel Ridge Rd., St. Marys, WV 26170
Riverside Resources	955 Bull Creek Rd., Waverly, WV 26184

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) ___
- (2) Application on Form WW-2(B) ___ / WW-3(B) ___ / WW-4(B) ___ / WW-5(B) ___ / WW-6(B) ___
- (3) Plat showing the well location on Form WW-6, and
- (4) Construction and Reclamation Plan on Form WW-9

--all with respect to operator's Well No. P5N2U located in Union District, Pleasants County County, West Virginia, upon the person or organization named--

BB Land, LLC and Jay Bee Oil and Gas, Inc.

--by delivering the same in Harrison County, State of West Virginia on the 4th day of April, 2019 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 / director ___ / attorney in fact ___ / named Brian Paugh Vice President of Land

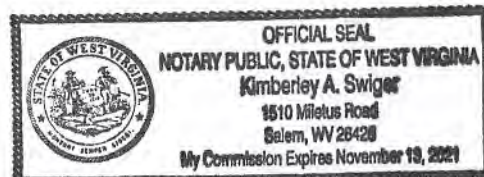
BB Land, LLC
Jay Bee Oil and Gas Inc

[Signature]
(Signature of person executing service)

Taken, subscribed and sworn before me this 4th day of April 2019.
My commission expires November 13, 2021

Kimberley A. Swiger
Notary Public

(AFFIX SEAL IF NOTARIZED OUTSIDE THE STATE)



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: 04/04/2019 **Date Permit Application Filed:** 04/09/2019

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: BB Land, LLC
Address: P.O. Box 380, Bridgeport, WV 26330

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

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:	West Virginia	UTM NAD 83	Easting:	493,519.19
County:	Pleasants		Northing:	4,362,891.44
District:	Union	Public Road Access:	Arvilla Rd.	
Quadrangle:	Bens Run 7.5'	Generally used farm name:	BB Land, LLC	
Watershed:	Middle Island Creek			

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 57th Street, SE, Charleston, WV 25304 (304-926-0450) or by visiting www.dep.wv.gov/oil-and-gas/pages/default.aspx.

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

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

WAIVER

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Surface Owner Waiver:

I, William Everett, hereby state that I have read the notice provisions listed above and hereby waive the notice requirements under West Virginia Code § 22-6A-16(b) for the tract of land as follows:

State: West Virginia
County: Pleasants
District: Union
Quadrangle: Bens Run 7.5'
Watershed: Middle Island Creek

UTM NAD 83 Easting: 493,519.19
Northing: 4,362,891.44
Public Road Access: Arvilla Rd.
Generally used farm name: BB Land, LLC

Name: William G. Everett
Address: 5536 Arvilla Rd
Friendly, WV 26146

Signature: William G. Everett
Date: 4/4/19

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.

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

WAIVER

Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

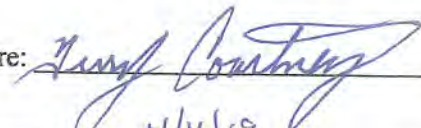
Surface Owner Waiver:

I, Terry Coartney, hereby state that I have read the notice provisions listed above and hereby waive the notice requirements under West Virginia Code § 22-6A-16(b) for the tract of land as follows:

State: West Virginia
County: Pleasants
District: Union
Quadrangle: Bens Run 7.5'
Watershed: Middle Island Creek

UTM NAD 83 Easting: 493,519.19
Northing: 4,362,891.44
Public Road Access: Arvilla Rd.
Generally used farm name: BB Land, LLC

Name: Terry Coartney
Address: 5091 Arvilla Rd.
Friendly, WV 26146

Signature: 
Date: 4/4/09

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.

73-02595

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF INTENT TO DRILL

WAIVER

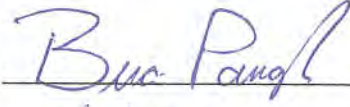
Pursuant to W. Va. Code § 22-6A-16(b), at least ten days prior to filing a permit application, an operator shall, by certified mail return receipt requested or hand delivery, give the surface owner notice of its intent to enter upon the surface owner's land for the purpose of drilling a horizontal well: *Provided*, That notice given pursuant to subsection (a), section ten of this article satisfies the requirements of this subsection as of the date the notice was provided to the surface owner: *Provided, however*, That the notice requirements of this subsection may be waived in writing by the surface owner. The notice, if required, shall include the name, address, telephone number, and if available, facsimile number and electronic mail address of the operator and the operator's authorized representative.

Surface Owner Waiver:

I, Brian Paugh, Vice President of Land, hereby state that I have read the notice provisions listed above and hereby waive the notice requirements under West Virginia Code § 22-6A-16(b) for the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83	Easting:	<u>493,519.19</u>
County:	<u>Pleasants</u>		Northing:	<u>4,362,891.44</u>
District:	<u>Union</u>	Public Road Access:	<u>Arvilla Rd.</u>	
Quadrangle:	<u>Bens Run 7.5'</u>	Generally used farm name:	<u>BB Land, LLC</u>	
Watershed:	<u>Middle Island Creek</u>			

Name: Brian Paugh
Address: P.O Box 380, Bridgeport, WV 26330

Signature: 
Date: 4/4/19

Oil and Gas Privacy Notice:

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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

Byrd E. White, III
Secretary of Transportation

April 9, 2019 ✓

Jimmy Wriston, P. E.
Deputy Secretary/
Acting Commissioner

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

Subject: DOH Permit for the P5 Pad, Pleasants County
P5N2U Well site ✓

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 October 1, 2018.

Very Truly Yours,

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

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



JAY-BEE OIL & GAS, INC.

Permitting Office
Office of Oil and Gas
West Virginia Dept. of Environmental Protection
601 57th 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,

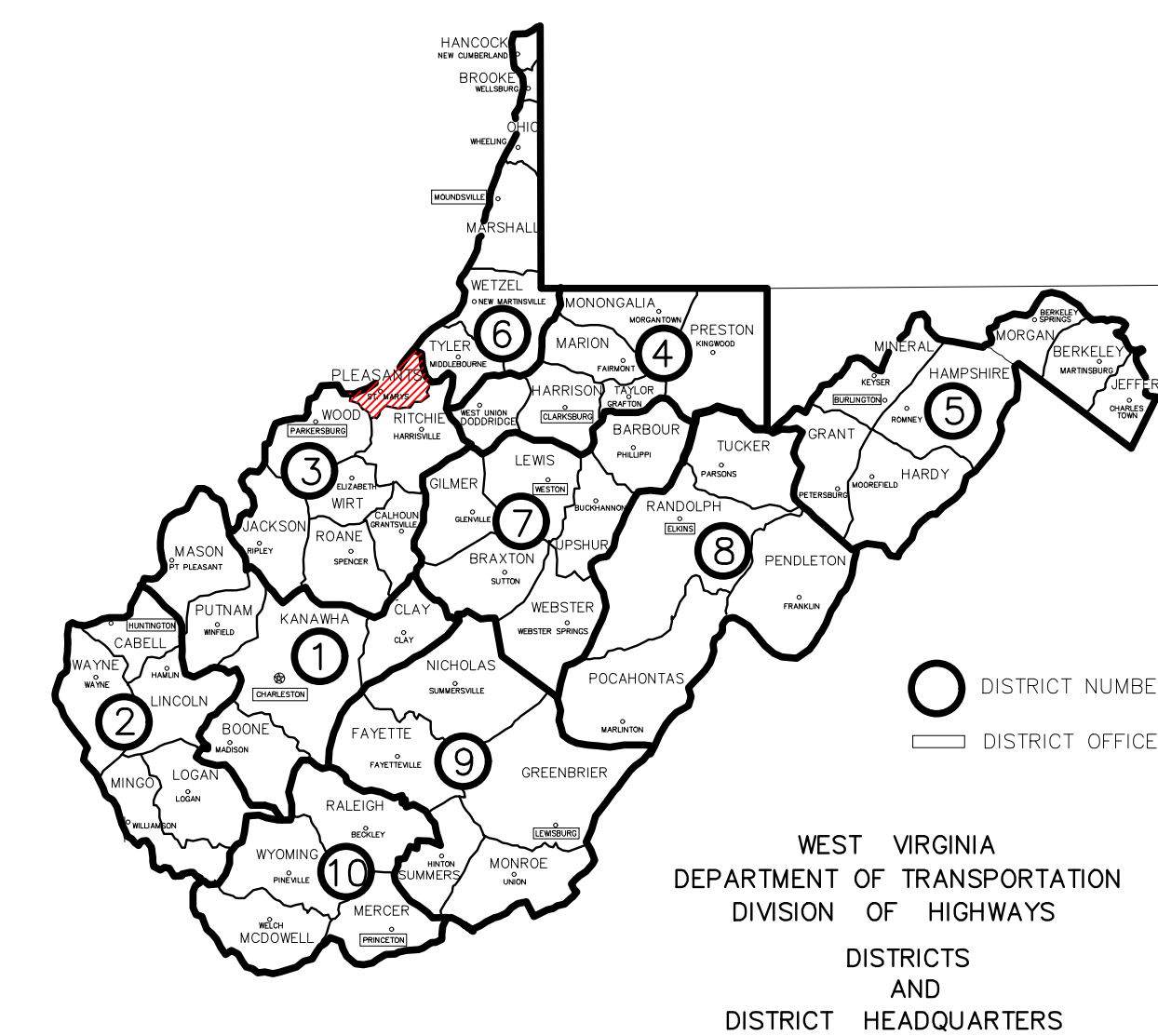
Chris Lindsey
Office Manager

P5 Well Pad Site Plan Modification

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

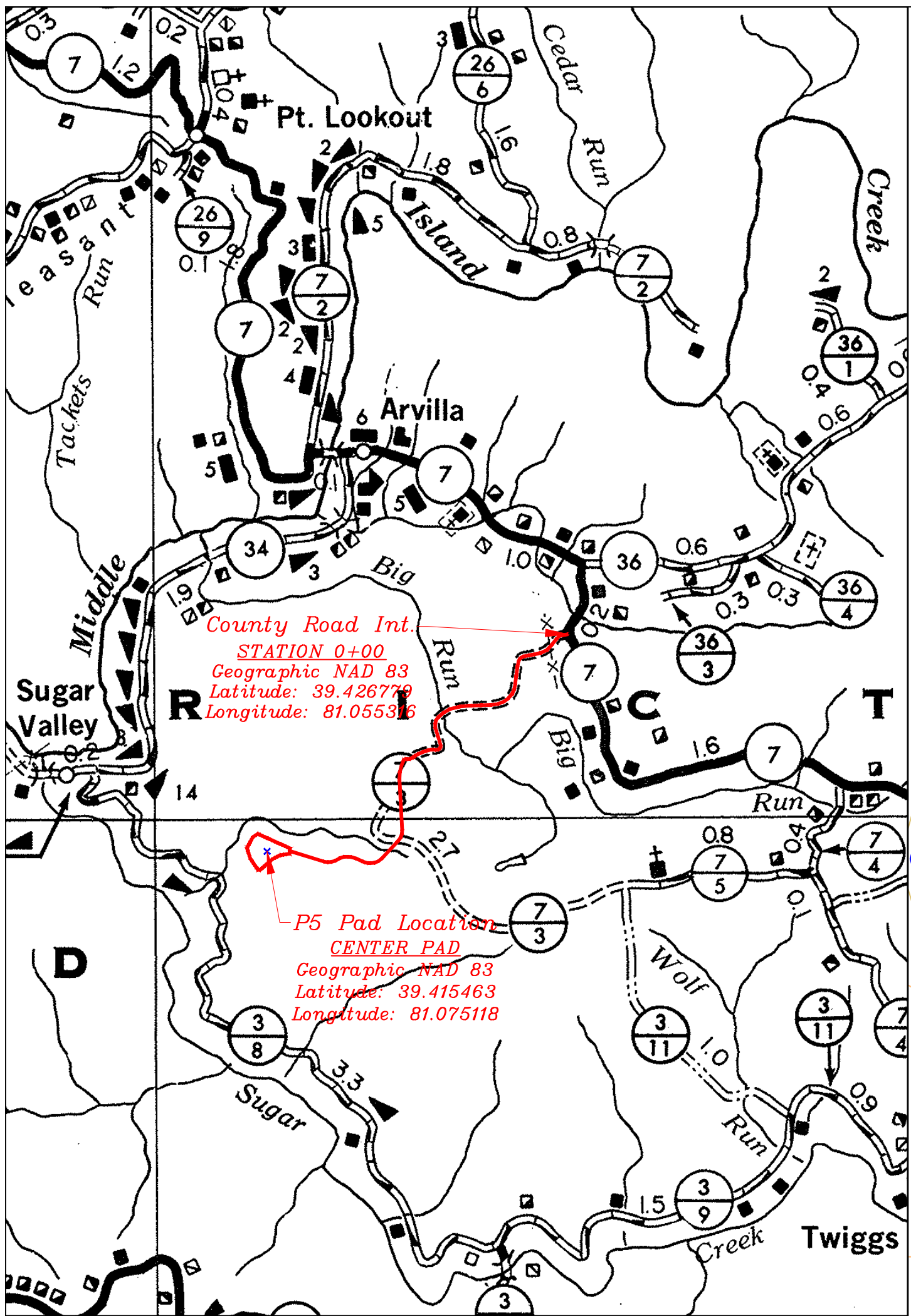
Date: April 19, 2018

APPROVED
WVDEP OOG
WJG 8/14/2018

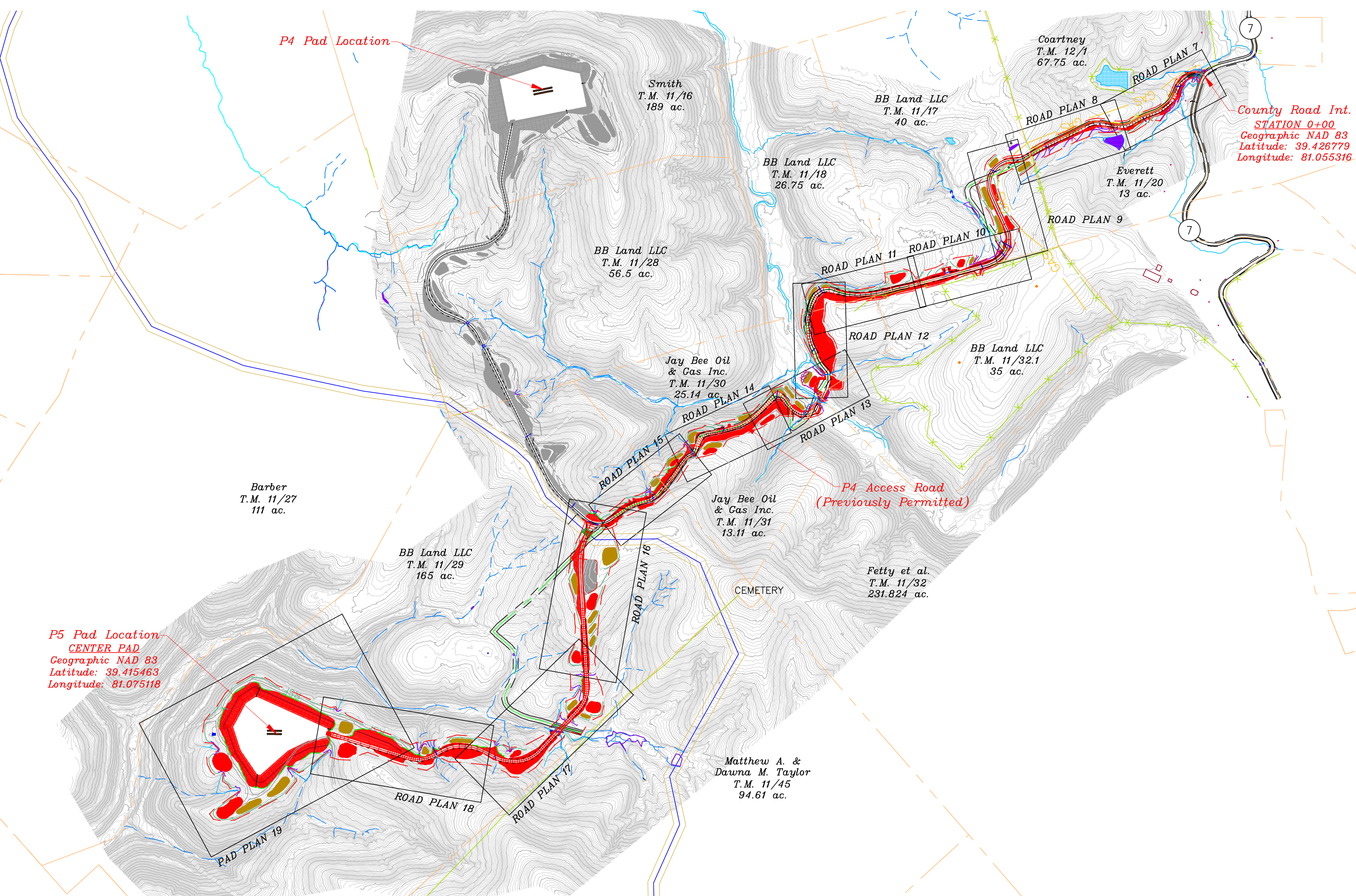


WEST VIRGINIA
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
DISTRICTS
AND
DISTRICT HEADQUARTERS

Sheet	Description
1	Cover
2	Details & Notes
3	Details
4	Details
5	Details
6	Details
7	P4 Road Plan & Profile
8	P4 Road Plan & Profile
9	P4 Road Plan & Profile
10	P4 Road Plan & Profile
11	P4 Road Plan & Profile
12	P4 Road Plan & Profile
13	P4 Road Plan & Profile
14	P4 Road Plan & Profile
15	P4 Road Plan & Profile
16	P5 Road Plan & Profile
17	P5 Road Plan & Profile
18	P5 Road Plan & Profile
19	P5 Pad Plan
20	P5 Pad Cut-Fill Diagram
21	P5 Pad Sections
22	P5 Pad Sections
23	P4 Road Cross Sections
24	P4 Road Cross Sections
25	P4 Road Cross Sections
26	P4 Road Cross Sections
27	P5 Road Cross Sections
28	P5 Road Cross Sections
29	Reclamation Plan



West Virginia
State Plane
NAD '83
North Zone
RTK GPS



Revisions:
04-19-2018: Revised road grade
05-07-2018: Revised Ownership
08-13-2018: Revisions per DEP

CENTER PAD
Geographic NAD 83
Latitude: 39.415463
Longitude: 81.075118

CENTER ROAD INT.
(Sta. 0+00)
Geographic NAD 83
Latitude: 39.426779
Longitude: 81.055316

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

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

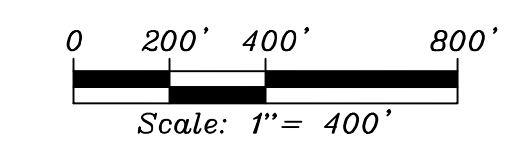


Design Certification
The drawings, construction notes and reference diagrams attached hereto have been prepared in accordance with the West Virginia Code of State Rules, Division of Environmental Protection, Office of Oil and Gas.

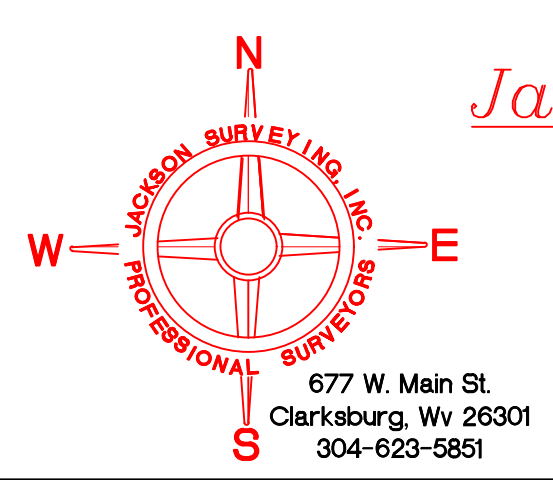
The information reflects a gas well pad and access road.

Dennis L. Fisher
Dennis L. Fisher RPE 8684
Dennis L. Fisher, PE

08-13-2018
Date:



North Central Engineering, LLC
Dennis L. Fisher, RPE
P.O. Box 628
Bridgeport, WV 26330
Cell: 304-677-4129
E-Mail: Dennis.Fisher@NorthCentralEngineering.com

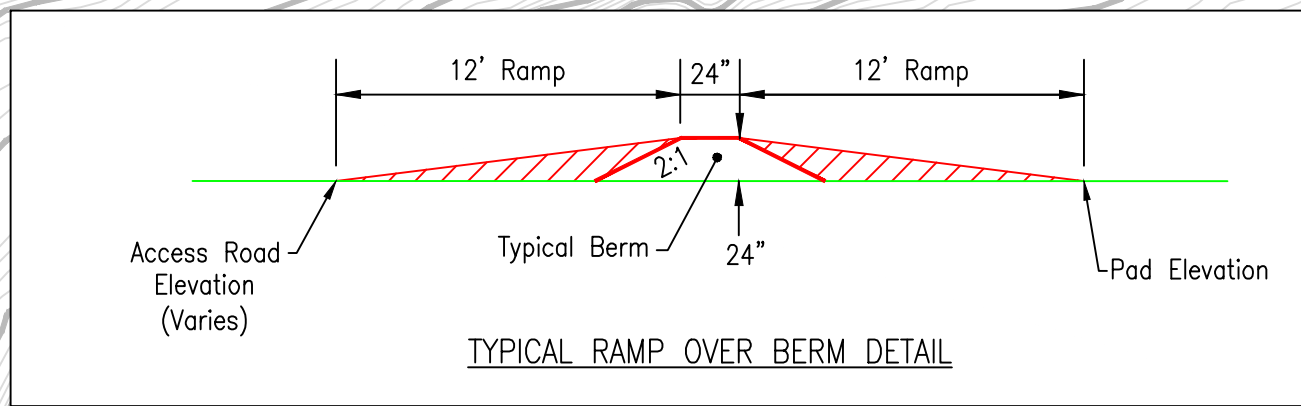


Jackson Surveying Inc.

COVER
SHEET 1
P5 Well Pad Plan

Note: Stream and Wetland delineations are from Allstar Ecology reports dated November 01, 2017 and November 21, 2017. All property lines shown are approximate and have not been field verified. Stream Impact chart on Sheet 2.

TOTAL LIMIT OF DISTURBANCE
(Partial P4 Road LOD & P5 LOD): 35.48± ACRES



APPROVED
WVDEP OOG

W/S 8/14/2018



— LEGEND —

Existing Features	—
Proposed Features	—
Right of Way	—
LOD	—
Property Line	—
Creek	—
Drain	—
Existing Fence	—
Proposed Fence	—
Castline	—
Overhead Utilities	—
Toe Bench	—
Reinforced Silt Fence	—
Super Silt Fence	—
Ditch	—
Riprap	—

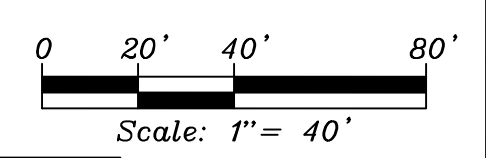
CENTER PAD
Geographic NAD 83
Latitude: 39.415463
Longitude: 81.075118

CENTER ROAD INT.
(Sta. 0+00)
Geographic NAD 83
Latitude: 39.426779
Longitude: 81.055316

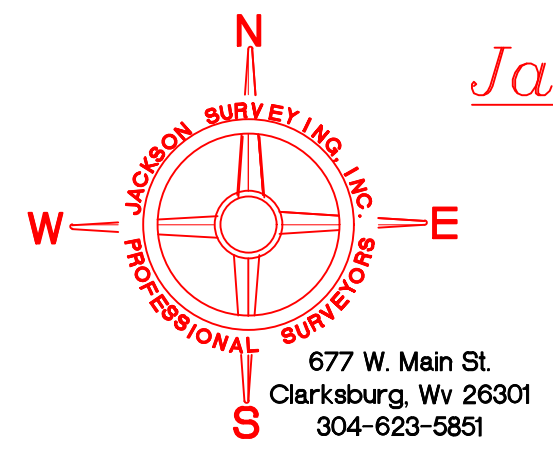
BB Land LLC
T.M. 11/29
165 ac.

BB Land LLC
T.M. 11/29
165 ac.

Brush/Topsoil Note: The brush and topsoil piles 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: 304-677-4129
E-Mail: Dennis.Fisher@NorthCentralEngineering.com



Jackson Surveying Inc.

PAD PLAN
SHEET 19

P5 Well Pad Plan