



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

Friday, September 20, 2019
WELL WORK PERMIT
Horizontal 6A / Drilling Deeper

JAY-BEE OIL & GAS, INC.
60 WALNUT AVE. SUITE 190

CLARK, NJ 07066

Re: Permit approval for P8N4U
47-073-02570-00-00

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

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

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

James A. Martin
Chief

A blue ink signature of James A. Martin, Chief, is written over the text.

Operator's Well Number: P8N4U
Farm Name: DAVIS, ROBERT E. & VICTOR
U.S. WELL NUMBER: 47-073-02570-00-00
Horizontal 6A Drilling Deeper
Date Issued: 9/20/2019

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. 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.
2. 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.
3. 24 hours prior to the initiation of the completion process the operator shall notify the Chief or his designee.
4. During the completion process the operator shall monitor annular pressures and report any anomaly noticed to the chief or his designee immediately.
5. 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.
6. 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

August 16, 2019

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

RE: Application for Deep Well Permit – API #47-073-02570

COMPANY: Jay-Bee Oil & Gas, Inc.

FARM: Robert E. Davis and Victoria Davis P8N4U

COUNTY: Pleasants DISTRICT: McKim 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: none
4. Provided a plat showing that the proposed location is a distance of 400+ feet from the nearest lease line or unit boundary and showing the following wells drilled to or capable of producing from the objective formation within 3,000 feet of the proposed location.

Sincerely,

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

Susan Rose
Administrator

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

McKim

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

2) Operator's Well Number: P8N4U Well Pad Name: P8

3) Farm Name/Surface Owner: Robert and Victoria Davis Public Road Access: Federal Ridge 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

JCB
7/12/2019

6) Existing Pad: Yes or No Yes

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: 10,568.1 TVD, 10,196 TVD (Horizontal section)

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

10) Proposed Total Measured Depth: 19,904'

11) Proposed Horizontal Leg Length: 8,427.2'

12) Approximate Fresh Water Strata Depths: 118.7'

13) Method to Determine Fresh Water Depths: API 47-073-00542 Freshwater

14) Approximate Saltwater Depths: N/A

15) Approximate Coal Seam Depths: _____

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

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

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

WW-6B
(04/15)

API NO. 47- 073 - 02570
OPERATOR WELL NO. P8N4U
Well Pad Name: P8

18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	26	New	H40	94 lb./ft	30'	30'	CTS 49 Cu. Ft.
Fresh Water	18 5/8	New	K55	87.5 lb./ft	302'	302'	CTS 526 Cu. Ft.
Coal	13 3/8	New	J55	61 lb./ft	1,998'	1,998'	CTS 1671 Cu. Ft.
Intermediate	9 5/8	New	HCP-110	47 lb./ft	9,381'	9,381'	CTS 3064 Cu. Ft.
Production	5 1/2	New	P110	23 lb./ft	19,904'	19,904'	3,513 Cu. Ft. 1500 feet from surface
Tubing	N/A						
Liners	N/A						

JCB
7/12/2019

TYPE	Size (in)	Wellbore Diameter (in)	Wall Thickness (in)	Burst Pressure (psi)	Anticipated Max. Internal Pressure (psi)	Cement Type	Cement Yield (cu. ft./k)
Conductor	26	30	.375	N/A	50	Class A	1.18-1.20
Fresh Water	18 5/8	24	.435	2,250	1,000	Class A	1.18-1.20
Coal	13 3/8	17 1/2	.480	3,090	1,500	Class A	1.18-1.24
Intermediate	9 5/8	12 1/4	.472	9,440	2,000	Class A	1.18-3.00
Production	5 1/2	8 1/2	.415	16,800	2,500	Type 1 Cement	1.36-2.08
Tubing	N/A						
Liners	N/A						

PACKERS

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

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Environmental Protection

WW-6B
(10/14)

API NO. 47- 073 - 02570
OPERATOR WELL NO. P8N4U
Well Pad Name: P8

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

P8N4U was a previously drilled pilot hole, drilled to a depth of 10,568.1 feet, with 9 5/8 casing set at 9,314. We set a solid plug inside of casing at 9300'. We will kick off utilizing a casing whipstock set at 9,250 feet and drill a deeper horizontal section through the point Pleasant formation.

JCB
7/12/2019

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): 14.13

22) Area to be disturbed for well pad only, less access road (acres): 10.32

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

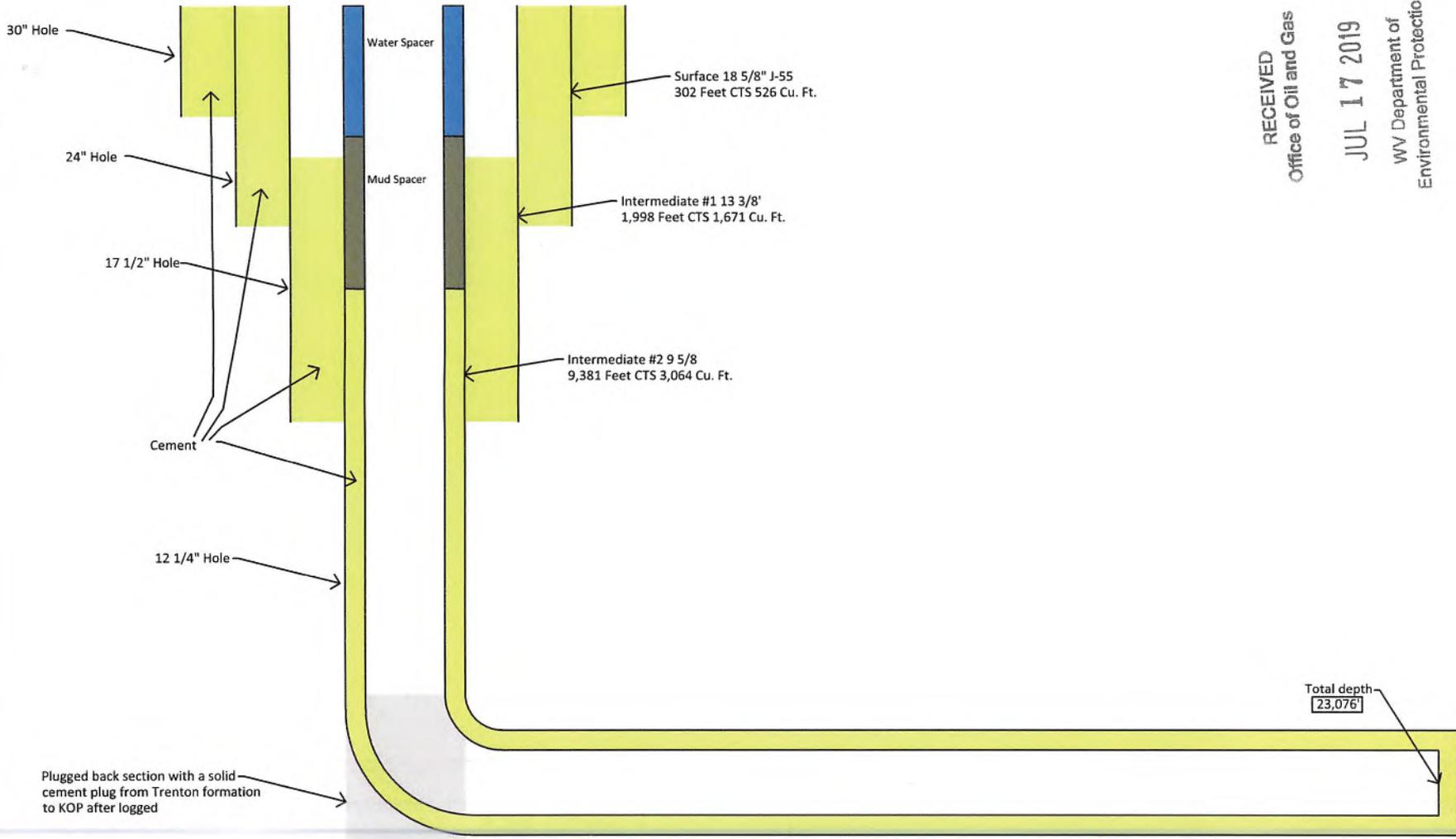
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*Note: Attach additional sheets as needed.

4707302570DD

Jay-Bee Oil & Gas Inc.
Well Name: P8N4U
GL Elevation: 1058.7'

Date: 7/11/2019
District: McKim
County: Pleasants
State: West Virginia



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4707302570

P8N4U Area of Review							
API	Operator	Status	Latitude	Longitude	Vertical TD	Producing Formation	Producing Zones Not Perforated
073-00289	Unknown	Plugged	****	****	1,384'	Maxon Sand	N/A
073-00391	Alexander Production Company	Active	****	****	2,100	Unknown	N/A
073-00542	Unknown	Abandoned	****	****	955	Slate	N/A
073-00950	Beacon Resources Corporation	Abandoned	****	****	3,500	Devonian Shale	N/A
92730	Unknown	****	****	****	****	N/A	N/A
92732	Unknown	****	****	****	****	N/A	N/A
92733	Unknown	****	****	****	****	N/A	N/A
92734	Unknown	****	****	****	****	N/A	N/A
92735	Unknown	****	****	****	****	N/A	N/A
92736	Unknown	****	****	****	****	N/A	N/A
92738	Unknown	****	****	****	****	N/A	N/A
92739	Unknown	****	****	****	****	N/A	N/A
92740	Unknown	****	****	****	****	N/A	N/A
92747	Unknown	****	****	****	****	N/A	N/A
92750	Unknown	****	****	****	****	N/A	N/A
90836	Unknown	****	****	****	****	N/A	N/A

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WW-9
(4/16)

API Number 47 - _____ - _____
Operator's Well No. P8N4U

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: JCB
7/8/19

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 MULVIS, Bentone990, CACL2, CalCarb,FLR, Lime,Multifiber,Permaseal,Nut Plug

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

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

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

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

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

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

Company Official Signature [Signature]
Company Official (Typed Name) Chris Lindsey
Company Official Title Office Manager

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Subscribed and sworn before me this 3 day of June, 2019

Theresa K Ritter

My commission expires May 12, 2033

Theresa K. Ritter

Notary Public, State Of West Virginia
Theresa K Ritter
1113 Patterson Fork Road
Salem WV 26426
My commission expires May 12, 2033



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: [Signature]

Comments: _____

Title: Oil & Gas Inspector

Date: 7/8/19

Field Reviewed? () Yes () No

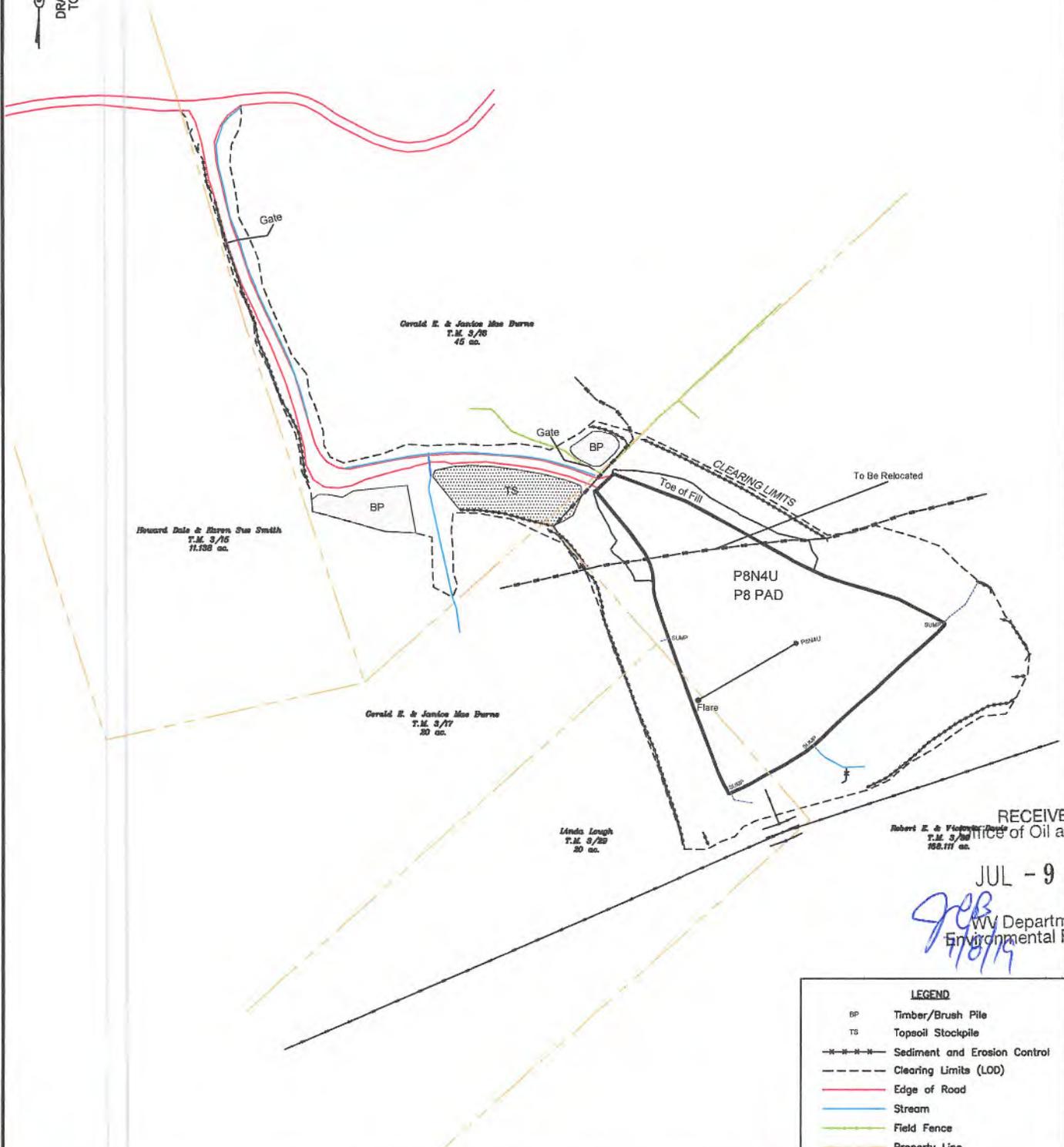
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73-025700D

PROPOSED P8 PAD P8N4U

Exhibit 1
SHEET 1

DRAWING NOT
TO SCALE



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7/8/19
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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.
Charlottesville, Wv 25301
Phone: 304-563-3861

TOPO SECTION:	
BENS RUN 7.5'	
COUNTY	DISTRICT
PLEASANTS	McKIM
DRAWN BY	PROJECT
J.A.H	P8N4U

OPERATOR:	
PREPARED FOR:	
JAYBEE OIL & GAS INC. 3570 SHIELDS HILL RD. CAIRO, WV 26337	
DATE	SCALE
06-26-2019	NONE



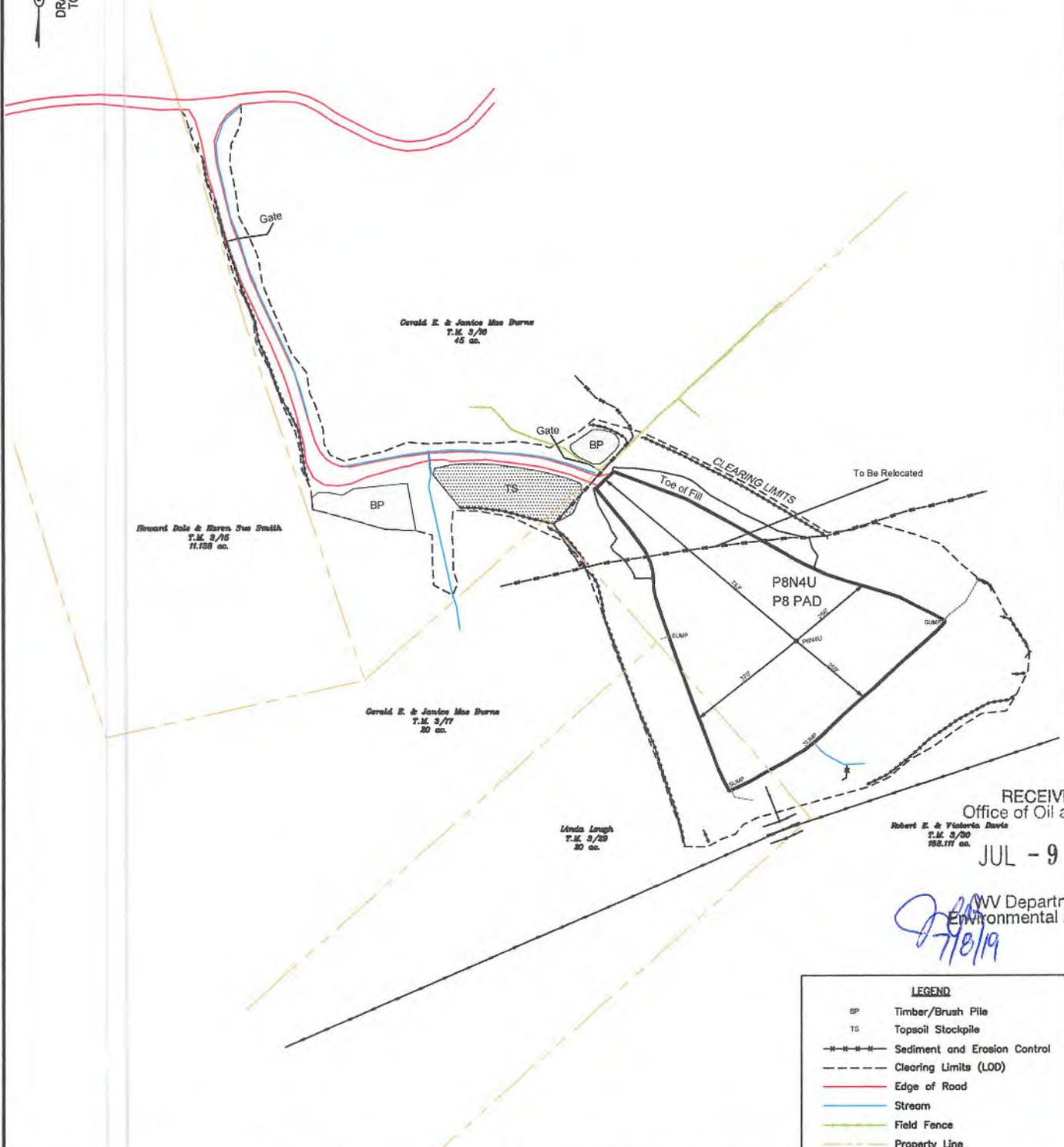
Jay Bee
Oil & Gas
DRILLING
into the future

73-02570 DD

PROPOSED P8 PAD P8N4U

Exhibit 1
SHEET 1

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Robert E. & Victoria Davis
T.M. 5/30
102.177 ac.

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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 7.5'	
COUNTY	DISTRICT
PLEASANTS	McKIM
DRAWN BY	PROJECT
J.A.H	P8N4U

OPERATOR:	
PREPARED FOR:	
JAYBEE OIL & GAS INC. 3570 SHIELDS HILL RD. CAIRO, WV 26337	
DATE	SCALE
06-26-2019	NONE



Jay Bee
Oil & Gas
DRILLING
into the future

P8N4U

WELL SITE SAFETY PLAN

*Drill
Deeper*

JAY-BEE OIL & GAS, INC

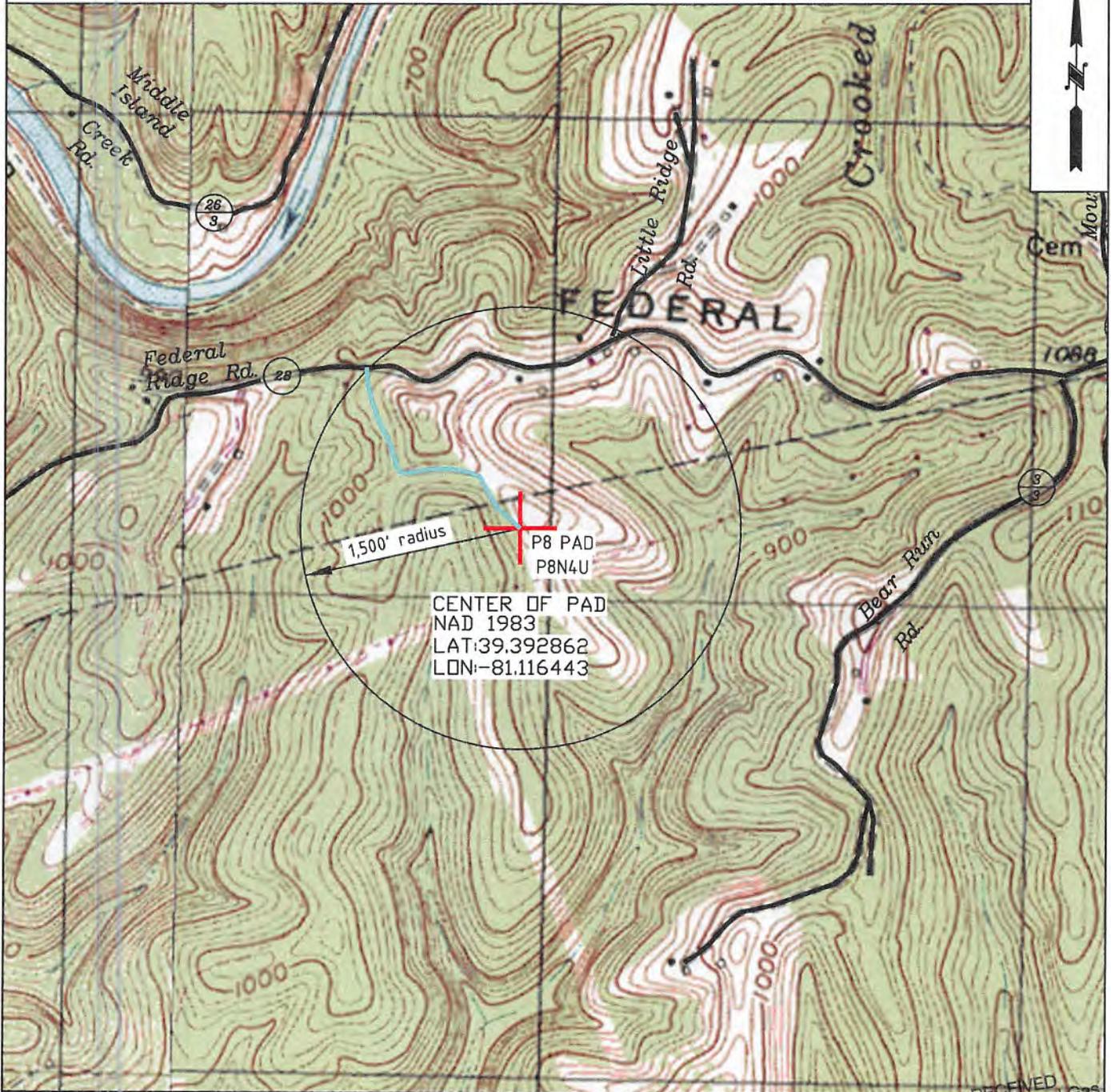
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PROPOSED P8 PAD P8N4U

EXHIBIT 3

*JEB
7/8/19*

There appears to be Eight (6) residences within 1,500'.



OPERATOR	P8N4U	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: 9 2019
			DATE: 06-26-2019

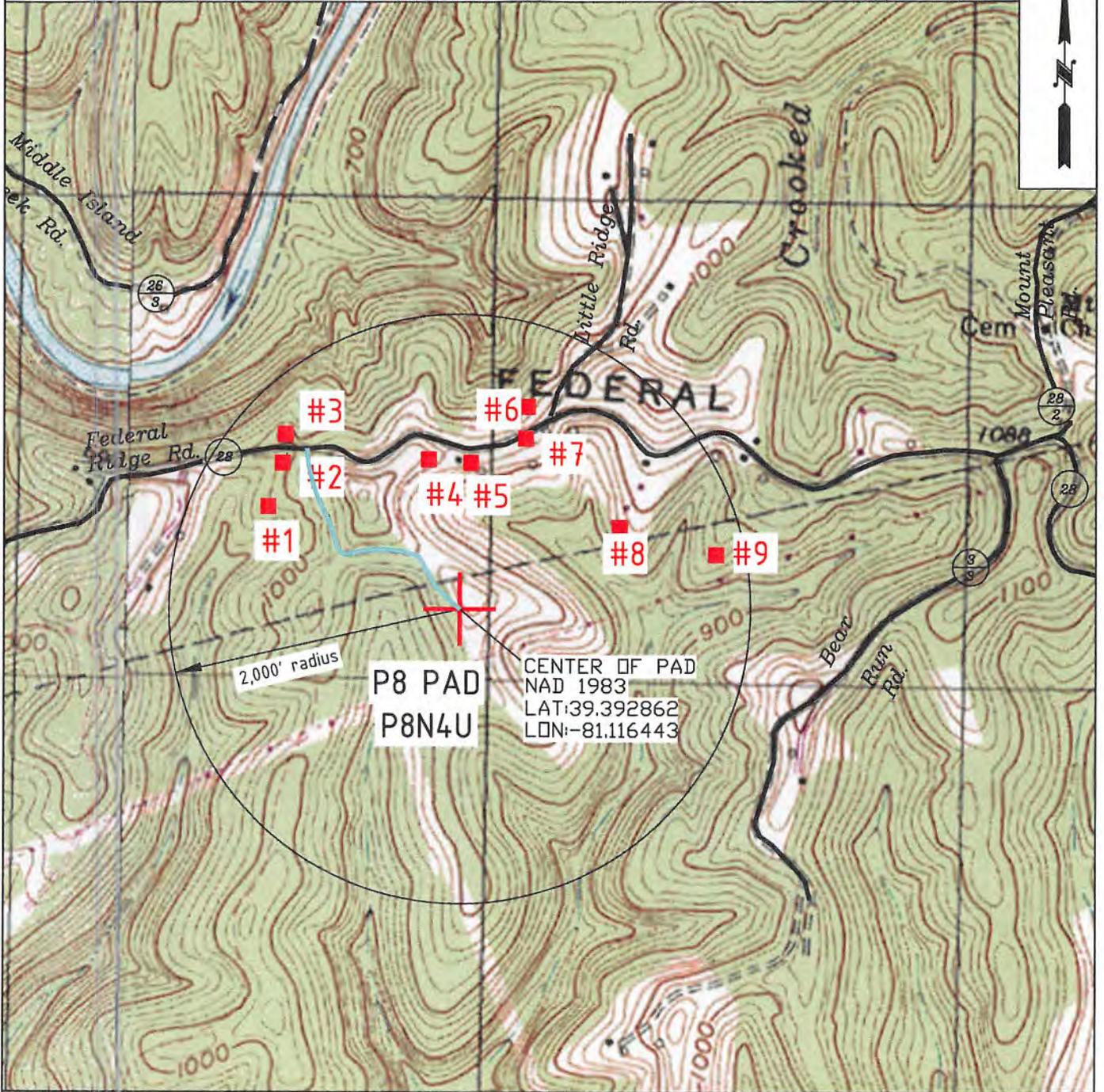
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WW-6A

PROPOSED P8 PAD P8N4U

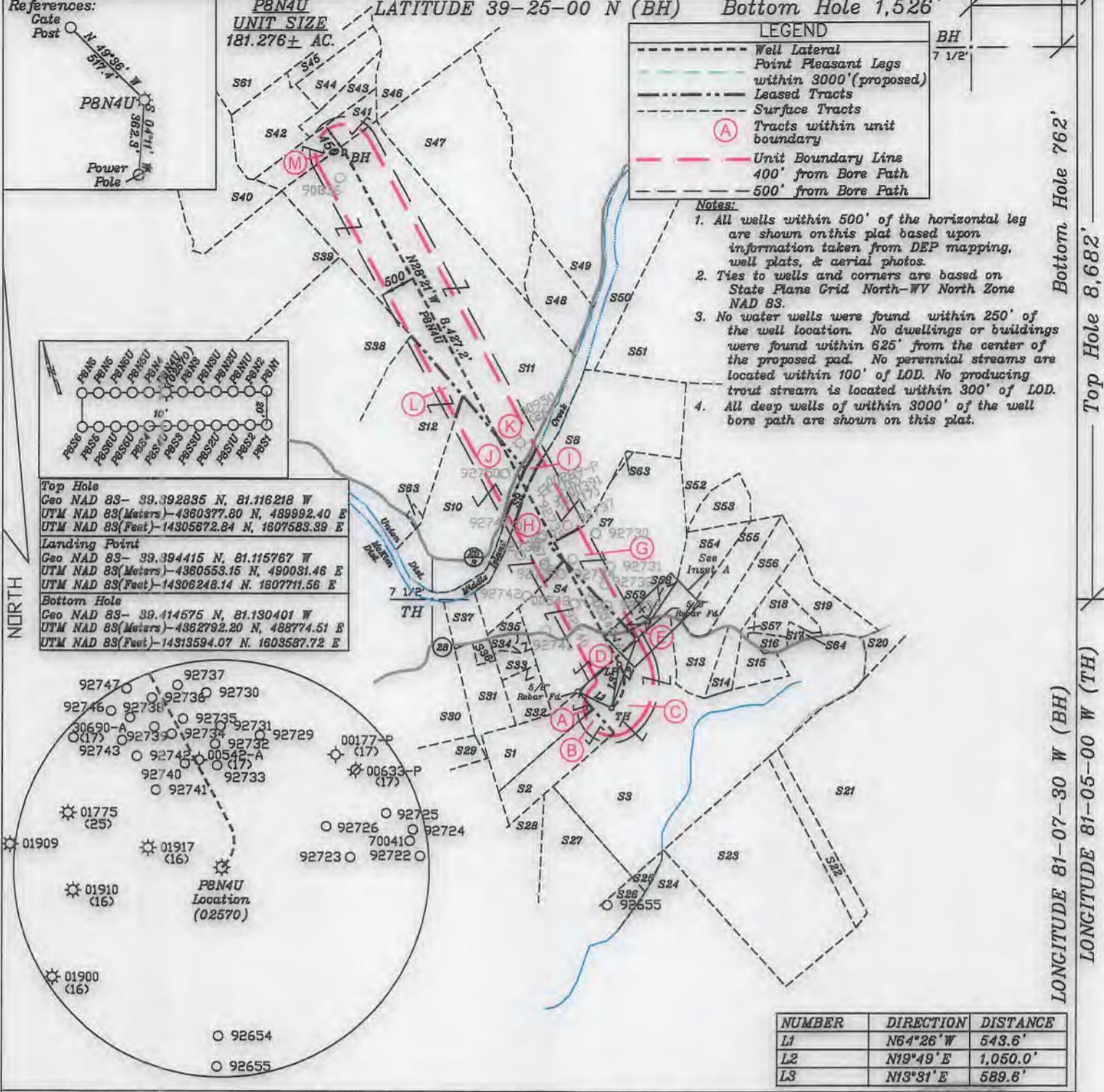
SUPPLEMENT PG 1

There appear to be Ten (9) possible water sources within 2,000'.



OPERATOR	P8N4U	TOPO SECTION	LEASE NAME
JAYBEE OIL & GAS INC. 3570 Shields Hill Rd. Cairo, WV 26337		BENS RUN 7.5'	BB LAND
		SCALE: 1" = 1000'	DATE: DATE: 06-26-2019

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

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

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



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

DATE July 3, 2019
 OPERATOR'S WELL NO. P8N4U
 API WELL NO. 47-073-02570

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

LOCATION: ELEVATION 1,058.7' WATER SHED McKim Creek of Outlet Middle Island Creek (HUC-10)
 DISTRICT McKim COUNTY Pleasants
 QUADRANGLE Bens Run 7 1/2'

SURFACE OWNER Robert E. Davis & Victoria Davis ACREAGE 168.111 Ac.
 OIL & GAS ROYALTY OWNER Robert E. Davis & Victoria Davis LEASE ACREAGE 168.111 Ac.
 LEASE NO. P5109

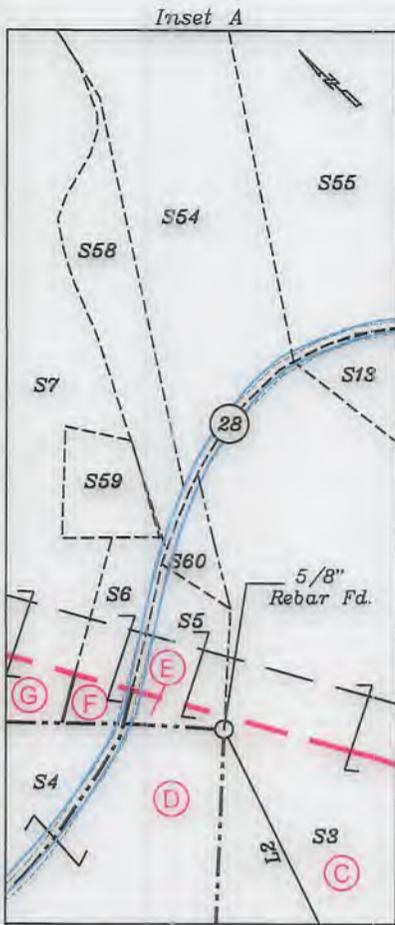
PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER X REDRILL _____ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION Point Pleasant ESTIMATED DEPTH TVD = 10,568.1'; TMD = 19,904'
 WELL OPERATOR Jay-Bee Oil & Gas, Inc. DESIGNATED AGENT Randy Broda
 ADDRESS 60 Walnut Avenue, Suite 190, Clark NJ 07066 ADDRESS 3570 Shields Hill Rd., Cairo, WV 26337

form wwb

JACKSON SURVEYING INC.
 2413 East Pike Street #112
 Clarksburg, WV 26301
 304-623-5951

P8N4U
UNIT SIZE
181.276± AC.



TRACT	SURFACE OWNER	TAX MAP/PARCEL	ACRES
S1 (A)	GERALD E. BURNS & JANICE MAE BURNS	05-03-17	20.0
S2 (B)	LINDA LOUGH	05-03-29	20.0
S3 (C)	ROBERT E. DAVIS & VICTORIA DAVIS	05-03-30	168.111
S4 (D)	GERALD E. BURNS & JANICE MAE BURNS	05-03-16	45.0
S5 (E)	CATHY BREWER, SANDY BREWER, SAMANTHA BREWER & JESSICA BREWER	05-03-40	0.5
S6 (F)	WALTER E. RODEN	05-03-16.1	0.68
S7 (G)	JOHN R. COX & GLORIA A. COX	05-03-18	61.127
S8 (H)	GROVER L. COX ET AL	05-03-1	90.0
S9 (I)	WEST VIRGINIA DIVISION OF NATURAL RESOURCES	Middle Island Creek	3.29 Calc.
S10 (J)	OCB CORP.	07-14-6	51.75
S11 (K)	HEARTWOOD FORESTLAND FUND IV LIMITED PARTNERSHIP	07-10-18B	258.0
S12 (L)	CHERYL L. MADER & DEBORAH M. MADER HARMAN	07-14-5	68.5
S13	ROBERT E. DAVIS & BEVERLY J. MORRISON	05-03-30.4	12.882
S14	RICHARD E. DAVIS	05-03-30.3	7.673
S15	WILLIAM CHAD DAVIS	05-03-30.2	8.194
S16	JOHN F. & RITA M. PICKENS	05-03-20.3	2.095
S17	BEVERLY J. DAVIS & BETH A. MASTON	05-03-22	1.38
S18	DALE S. PICKENS & ADRIANNA PICKENS, MARTHA E. PICKENS (LIFE ESTATE)	05-03-20.2	10.415
S19	MICHAEL K. FETTY & RANDY G. FETTY	05-03-20.1	26.5
S20	JOHN P. RIGGS & BRENDA J. RIGGS	04-04-1	425.28
S21	JAMES C. POWELL, ERIC K. POWELL, & KURT G. POWELL	04-03-3	133.0
S22	JAMES C. POWELL, ERIC K. POWELL, & KURT G. POWELL	05-03-34	12.0
S23	JAMES M. LUCAS SR., TESSY L. CARR, LIZZIE LUCAS	05-03-33	93.0
S24	MARION DAVIS, VICTORIA DAVIS & ROBERT E. DAVIS	05-05-12	41.0
S25	ROBERT E. DAVIS & VICTORIA DAVIS	05-03-32	6.0
S26	DENNIS B. DAVIS	05-05-8	90.0
S27	VICTORIA DAVIS & ROBERT E. DAVIS	05-03-31	41.63
S28	RONALD R. HIGGINS	05-05-7.1	143.91
S29	HOMER A. RUCKLE & ESTHER J. RUCKLE	05-03-10	12.5
S30	HOMER A. RUCKLE & ESTHER J. RUCKLE	05-03-9	38.0
S31	HOMER A. RUCKLE & ESTHER J. RUCKLE	05-03-12	15.963
S32	HOWARD DALE SMITH & KAREN SUE SMITH	05-03-15	11.138
S33	JOSHUA KIMBALL & JENNIFER KIMBALL	05-03-15.2	3.962
S34	JOSHUA KIMBALL & JENNIFER KIMBALL	05-03-15.3	1.925
S35	JACK L. KIMBALL & BARBARA A. KIMBALL	05-03-15.1	2.649
S36	JOSHUA M. WINCE & PATRISHA D. WINCE	05-03-12.1	2.537
S37	HOMER A. & ESTHER J. RUCKLE	05-03-11	10.0
S38	OCB CORP.	07-14-4	84.48
S39	ERASTUS KIDDER EST	07-10-47	50.0
S40	C J GARDNER	07-10-34	45.5
S41 (M)	PAUL W. CUSICK	07-10-35	27.0
S42	MICHAEL W. & LINDA J. TOOTHMAN	07-10-28	27.0
S43	KRISTINA D. ELDER LIFE EST, PAUL W. CUSICK, BRADLEY J. CUSICK, BRIAN C. CUSICK	07-10-28.3	9.0
S44	PAUL W. CUSICK & KELLEY S. CUSICK	07-10-28.2	9.0
S45	ALICIA ELLEN DICKSON	07-10-28.1	9.0
S46	STEPHEN G. TAYLOR, LORI M. TAYLOR, & CLIFFORD E. TAYLOR	07-10-23	127.0
S47	DELBERT E. TAYLOR, CLIFFORD E. TAYLOR & STEPHEN G. TAYLOR	07-10-38	85.84
S48	JULIE E. SAYRE	07-10-42	20.0
S49	JULIE E. SAYRE	07-10-41	25.0
S50	SIGS RICH LTD.	05-01-02	24.0
S51	TERRY CRANT WARD	05-01-3	66.0
S52	ALICE L. HUBBARD	05-03-3	53.519
S53	SAMUAL D. & LYDIA BROOKOVER	05-03-3.1	10.231
S54	J LESLIE-DAYLENORTH WHITEHEAD	05-03-19.2	17.01
S55	CLIFFORD C. REED JR., REBECCA REED, DONALD R. REED, BARBARA JOANN REED & RUSSELL REED	05-03-19.1	17.01
S56	J LESLIE-DAYLENORTH WHITEHEAD, BARBARA M. NORTH & CAROLYN SUE DULANEY	05-03-19	17.01
S57	RAYMOND P. & ANGELA K. SHAFFER	05-03-20	1.12
S58	J LESLIE-DAYLENORTH WHITEHEAD	05-03-18.2	1.145
S59	CRAICE BENNETT & LIANE DAVIS BENNETT	05-03-18.1	0.478
S60	VICTORIA DAVIS	05-03-30.1	0.14
S61	DAVID W. EDDY & BRENDA C. EDDY	07-10-22	50.13
S62	GROVER L. COX ET AL	05-03-02	0.5
S63	FANNIE DOTSON ET AL	07-14-5.1	1.0
S64	MARSHA J. BUTLER & ORAN BUTLER	05-03-20.4	0.8657



P.S. 708

David Jackson

47-073-02570 H6A DD



Jay Bee Oil & Gas

DRILLING into the future

OPERATOR'S WELL #: P8N4U
 API #: 47-073-02570
 DISTRICT: MCKIM
 COUNTY: PLEASANTS
 STATE: WV

WELL PLAT
 PAGE 2 OF 3
 DATE: 07/03/2019

JACKSON SURVEYING
 INC.
 2413 East Pike Street
 #112
 Clarksburg, WV 26301
 304-623-5851

P8N4U
UNIT SIZE
 181.276± AC.

Tracts	Tax Map/Parcel District	Lease #	Lessor, Grantor, etc
A	5-3-17	P5325	Gerald and Janice Burns
B	5-3-29	P5324	Linda Lough
C	5-3-30, 30.1, 30.2, 30.3, 30.4, 32	P5109	Billy D. Hanlin
C	5-3-30, 30.1, 30.2, 30.3, 30.4, 32	P5109	TNT Land and Mineral
C	5-3-30, 30.1, 30.2, 30.3, 30.4, 32	P5109	John and Brenda Riggs
C	5-3-30, 30.1, 30.2, 30.3, 30.4, 32	P5109	Blackrock Enterprises
D	5-3-16	P5326	Gerald and Janice Burns
E	5-3-40	P5109A	Cathy Brewer
E	5-3-40	P5109A	Sandy Brewer
F, G	5-3-16.1, 18	P5022	John and Gloria Cox
F, G	5-3-16.1, 18	P5022	Blackrock Enterprises
F, G	5-3-16.1, 18	P5022	John and Brenda Riggs
F, G	5-3-16.1, 18	P5022	Blackrock Enterprises
F, G	5-3-16.1, 18	P5022	Mark Hardman
H	5-3-1	P5060	Michael Brooks
H	5-3-1	P5060	Rockford Energy
H	5-3-1	P5060	Robert Wilson
H	5-3-1	P5060	Cheryl Smith
H	5-3-1	P5060	Marie O'Donnell
H	5-3-1	P5060	Blackrock Enterprises
H	5-3-1	P5060	Ralph H. Cox
H	5-3-1	P5060	Bonnie Gwin
H	5-3-1	P5060	Genevieve Rosenberg
H	5-3-1	P5060	Pamela Wilkerson
H	5-3-1	P5060	Genevieve Michael
I	Middle Island Creek	MIC 8	WV DNR
J	7-14-6	P7281	OCB Corp
J	7-14-6	P7281	Pauline Province
J	7-14-6	P7281	Lois A. Medley
J	7-14-6	P7281	Earl M. Palmer
J	7-14-6	P7281	Rockford Energy
K	7-10-18B	P7101	Richard Shimer
K	7-10-18B	P7101	Blackrock Enterprises
L	7-14-5	P7282	OCB Corp
L	7-14-5	P7282	Rockford Energy
M	7-10-35	P7280	Loren Bagley
M	7-10-35	P7280	Ronald Woodburn
M	7-10-35	P7280	Middle Island Minerals, LLC



David L Jackson

47-073-02570 H6A DD

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



Jay Bee
 Oil & Gas

DRILLING
 into the future

OPERATOR'S
 WELL #: P8N4U
 PERMIT#: 047-073-02570
 DISTRICT: McKim
 COUNTY: PLEASANTS
 STATE: WV

P8N4U Well Plat
 PAGE 3 OF 3
 DATE: 7/03/2019

WW-6A1
(5/13)

Operator's Well No. P8N4U

**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
----------------------	-----------------------	-----------------------	---------	-----------

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 & Gas, Inc
 By: Chris Lindsey
 Its: Office Manager

Page 1 of 2
 RECEIVED
 Office of Oil and Gas
 JUL 17 2019
 WV Department of
 Environmental Protection

P8N4U Exhibit to WW 6A1						
Tracts	Tax Map/Parcel District	Lease #	Lessor, Grantor, etc	Lessee, Grantee, etc	Royalty	Deed Book-Page
A	5-3-17	P5325	Gerald and Janice Burns	BB, Land, LLC	≥12.5%	315/68
B	5-3-29	P5324	Linda Lough	BB, Land, LLC	≥12.5%	317/450
C	5-3-30, 30.1, 30.2, 30.3, 30.4, 32	P5109	Billy D. Hanlin	TNT Land and Mineral	≥12.5%	297/491
C	5-3-30, 30.1, 30.2, 30.3, 30.4, 32	P5109	TNT Land and Mineral	BB, Land, LLC	Assignment	297/596
C	5-3-30, 30.1, 30.2, 30.3, 30.4, 32	P5109	John and Brenda Riggs	Blackrock Enterprises	≥12.5%	293/500
C	5-3-30, 30.1, 30.2, 30.3, 30.4, 32	P5109	Blackrock Enterprises	BB, Land, LLC	Assignment	293/502
D	5-3-16	P5326	Gerald and Janice Burns	BB, Land, LLC	≥12.5%	315/68
E	5-3-40	P5109A	Cathy Brewer	BB, Land, LLC	≥12.5%	331/200
E	5-3-40	P5109A	Sandy Brewer	BB, Land, LLC	≥12.5%	331/200
F, G	5-3-16.1, 18	P5022	John and Gloria Cox	Blackrock Enterprises	≥12.5%	297/355
F, G	5-3-16.1, 18	P5022	Blackrock Enterprises	BB Land, LLC	Assignment	299/59
F, G	5-3-16.1, 18	P5022	John and Brenda Riggs	Blackrock Enterprises	≥12.5%	294/466
F, G	5-3-16.1, 18	P5022	Blackrock Enterprises	BB Land, LLC	Assignment	294/474
F, G	5-3-16.1, 18	P5022	Mark Hardman	BB Land, LLC	≥12.5%	316/230
H	5-3-1	P5060	Michael Brooks	Rockford Energy	≥12.5%	297/464
H	5-3-1	P5060	Rockford Energy	BB Land, LLC	Assignment	298/22
H	5-3-1	P5060	Robert Wilson	Blackrock Enterprises	≥12.5%	295/499
H	5-3-1	P5060	Cheryl Smith	Blackrock Enterprises	≥12.5%	295/300
H	5-3-1	P5060	Marie O'Donnell	Blackrock Enterprises	≥12.5%	295/303
H	5-3-1	P5060	Blackrock Enterprises	BB Land, LLC	Assignment	297/121
H	5-3-1	P5060	Ralph H. Cox	BB Land, LLC	≥12.5%	311/142
H	5-3-1	P5060	Bonnie Gwin	BB Land, LLC	≥12.5%	318/207
H	5-3-1	P5060	Genevieve Rosenberg	BB Land, LLC	≥12.5%	318/204
H	5-3-1	P5060	Pamela Wilkerson	BB Land, LLC	≥12.5%	311/224
H	5-3-1	P5060	Genevieve Michael	Jay Bee Royalty	Deed	318-6219
I	Middle Island Creek	MIC 8	WV DNR	Jay Bee Production Company	≥12.5%	330/355
J	7-14-6	P7281	OCB Corp	Rockford Energy	≥12.5%	303/382
J	7-14-6	P7281	Pauline Province	Rockford Energy	≥12.5%	306-16
J	7-14-6	P7281	Lois A. Medley	Rockford Energy	≥12.5%	306-298
J	7-14-6	P7281	Earl M. Palmer	Rockford Energy	≥12.5%	306-301
J	7-14-6	P7281	Rockford Energy	BB Land, LLC	Assignment	307/678
K	7-10-18B	P7101	Richard Shimer	Blackrock Enterprises	≥12.5%	293/620
K	7-10-18B	P7101	Blackrock Enterprises	BB Land, LLC	Assignment	295/297
L	7-14-5	P7282	OCB Corp	Rockford Energy	≥12.5%	304/060
L	7-14-5	P7282	Rockford Energy	BB Land, LLC	Assignment	306/156
M	7-10-35	P7280	Loren Bagley	Middle Island Minerals, LLC	≥12.5%	306/313
M	7-10-35	P7280	Ronald Woodburn	Middle Island Minerals, LLC	≥12.5%	306/316
M	7-10-35	P7280	Middle Island Minerals, LLC	BB Land, LLC	Assignment	307/458
			BB Land, LLC	Jay Bee Oil and Gas	Affidavit	
			Jay Bee Production Company	Jay Bee Oil and Gas	Affidavit	



RECEIVED
Office of Oil and Gas

JUL - 9 2019

WV Department of
Environmental Protection

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

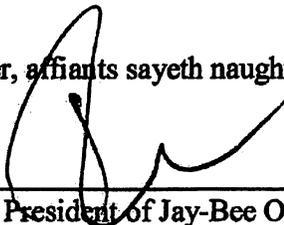
STATE OF WEST VIRGINIA

COUNTY OF RITCHIE, to-wit:

Randy Broda, President of Jay-Bee Oil & Gas, Inc., and Randy Broda, President 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 President of Jay Bee Production Company, which holds the rights to extract, produce or market the oil or gas. In my capacity as President, 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 P8N2U, P8N4U, P8S5U wells (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.

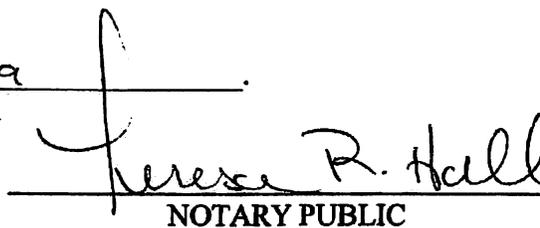
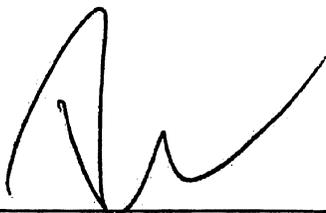
Further, affiants sayeth naught.



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

Taken, subscribed and sworn to before me, the undersigned Notary Public, this 2nd day of July, 2019 by Randy Broda, President of Jay-Bee Oil & Gas, Inc., on behalf of the corporation.

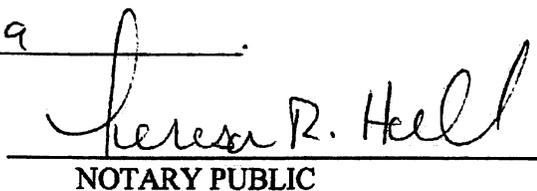
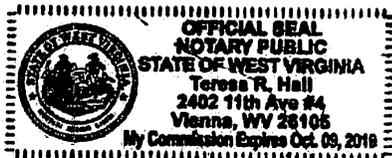
My commission expires: Oct 9th 2019


NOTARY PUBLIC

Randy Broda, President of Jay-Bee Production Company

Taken, subscribed and sworn to before me, the undersigned Notary Public, this 2nd day of July, 2019 by Randy Broda, President of Jay-Bee Production Company, on behalf of the company.

My commission expires: Oct 9th 2019


NOTARY PUBLIC

RECEIVED
Office of Oil and Gas
JUL - 9 2019
WV Department of
Environmental Protection

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 P8N2U, P8N4U, P8S5U 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.

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

Taken, subscribed and sworn to before me, the undersigned Notary Public, this 2nd day of July, 2019 by Randy Broda, President of Jay-Bee Oil & Gas, Inc., on behalf of the corporation.

My commission expires: Oct 9th 2019

[Signature]
NOTARY PUBLIC

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

Taken, subscribed and sworn to before me, the undersigned Notary Public, this 2nd day of July, 2019 by Randy Broda, Managing Member of BB Land, LLC, on behalf of the company.

My commission expires: Oct 9th 2019

[Signature]
NOTARY PUBLIC



RECEIVED
Office of Oil and Gas
JUL - 9 2019
WV Department of
Environmental Protection

47 07 3 02570

DD



JAY-BEE OIL & GAS, INC.

July 3, 2019

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

RE: P8N2U, P8N4U

Permitting Office:

As you know we have applied for a well permits for the Doc P8N2U and P8N4U in Pleasants County, West Virginia. This pad is located on what we call the P5109 tract. County Route 28 runs north of this tract and our proposed well leg runs under this roadway.

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,

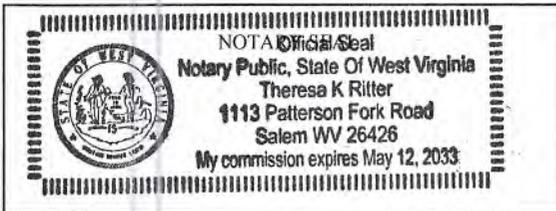
Chris Lindsey
Office Manager

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: Jay-Bee Oil & Gas, Inc.
By: Chris Lindsey
Its: Office Manager
Telephone: 304-628-3111

Address: 3570 Shields Hill Rd.
Cairo, WV 26337
Facsimile: 304-628-3119
Email: clindsey@jaybeeoil.com



Subscribed and sworn before me this 3 day of July.

Theresa K Ritter Notary Public

My Commission Expires May 12, 2033

Theresa K Ritter

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.

RECEIVED
Office of Oil and Gas
JUL - 9 2019
WV Department of
Environmental Protection

**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: 7/5/2019 **Date Permit Application Filed:** 7/8/2019

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: Linda K. Lough
Address: 4293 Hebron Rd., St. Marys, WV 26170

Name: Victoria Davis
Address: 315 Riverside Drive, St. Marys, WV 26170

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

Name: Robert Davis
Address: 3413 Federal Ridge Rd. St. Marys, WV 26170

Name: Gerald and Janice Burns
Address: 3683 Federal Ridge Rd., St. Marys, WV 26170

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: Gerald and Janice Burns
Address: 3683 Federal Ridge Rd., St. Marys, WV 26170

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: _____
Address: _____

*Please attach additional forms if necessary

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Office of Oil and Gas

JUL - 9 2019

WV Department of
Environmental Protection

Notice is hereby given:

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

This Notice Shall Include:

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

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

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

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

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

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Well Location Restrictions

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

WW-6A
(8-13)

API NO. 47-_____-_____
OPERATOR WELL NO. P8N2U, P8N4U P8S5U
Well Pad Name: P8

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.**

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Time Limits and Methods for Filing Comments.

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

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

Comment Requirements

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

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

Permit Denial or Condition

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

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

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

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

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WW-6A
(8-13)

4707302570

API NO. 47- _____ - _____ ^{DD}
OPERATOR WELL NO. P8N2U, P8N4U
Well Pad Name: P8

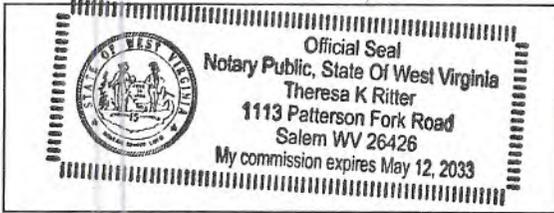
Notice is hereby given by:

Well Operator: Jay Bee Oil and 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 3 day of June, 2019.

Theresa K. Ritter Notary Public

My Commission Expires May 12, 2033

WW-2B1

Well No. P8N2U, P8N4U, P8S5U

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:

<input checked="" type="checkbox"/> Contractor Name <input checked="" type="checkbox"/> Well operator's private laboratory	<u>Reliance Laboratories</u>
Well Operator Address Telephone	<u>Jay-Bee Oil & Gas, INC</u> <u>3570 Shields Hill Rd / 1720 Route 22 East</u> <u>Cairo, WV 26337 / Union, NJ 07083</u> <u>304-628-3111</u>

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.

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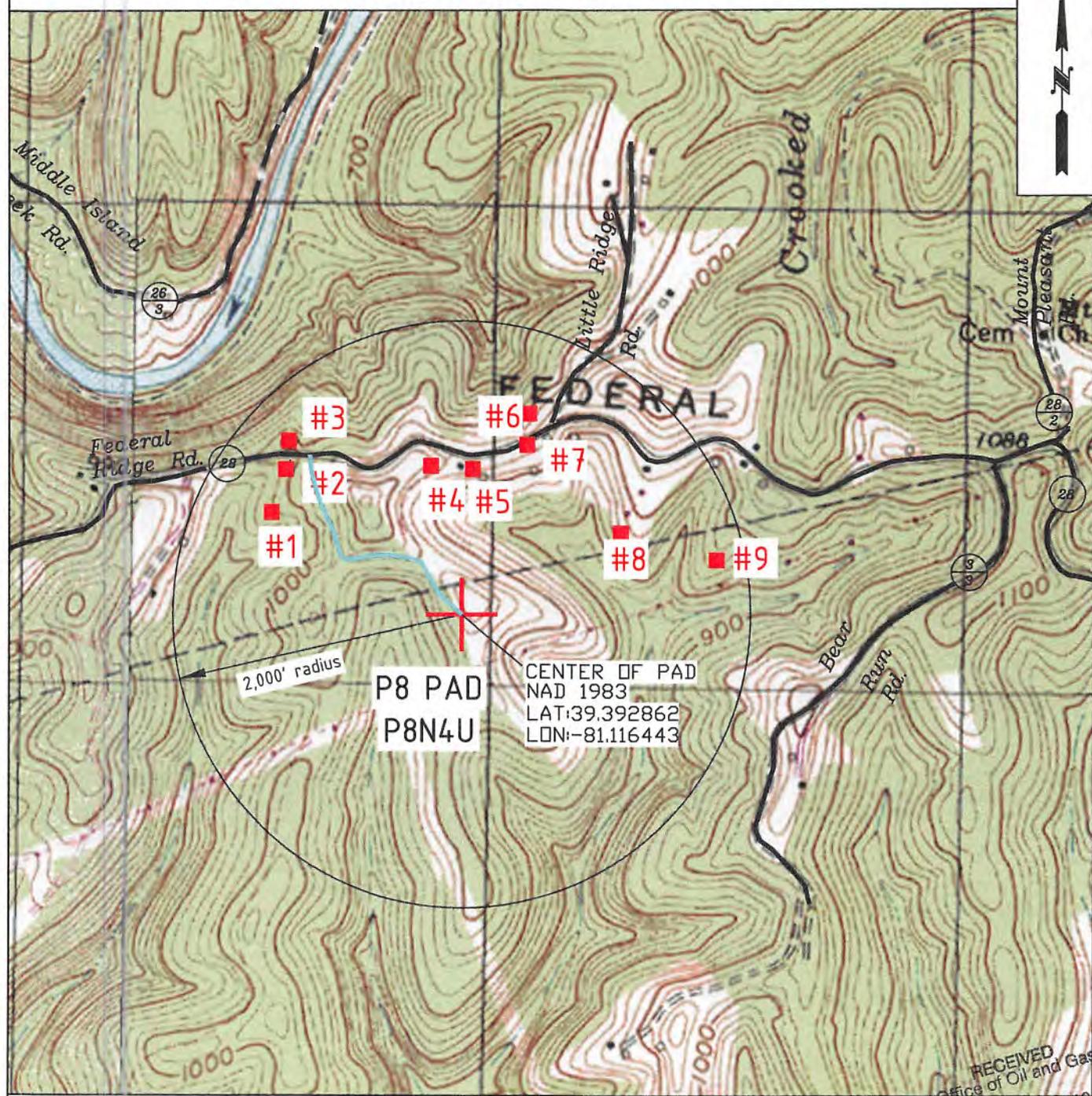
WW-6A

PROPOSED P8 PAD P8N4U

SUPPLEMENT PG 1

JCB
7/8/19

There appear to be Ten (9) possible water sources within 2,000'.



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Jay Bee
Oil & Gas
DRILLING
into the future

OPERATOR	P8N4U	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: 06-26-2019

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WV Department of
Environmental Protection

Exhibit 2A

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

RESIDENCES WITHIN 1 MILE OF P8 WELL PAD

Well: P8N4U
District: McKim
County: Pleasants
State: WV

There appears to be Thirty-Six (38) residences within 1 mile (5,280 feet) of the center of well pad for the above referenced well location.

Topo Spot # 1 (House/Cabin) TM 3 Par. 15 Howard Dale & Karen Sue Smith 3911 Federal Ridge Road St. Marys, WV 26170 304-684-7701	Topo Spot # 2 (House/Cabin) TM 3 Par. 15 Howard Dale & Karen Sue Smith 3911 Federal Ridge Road St. Marys, WV 26170 304-684-7701	Topo Spot # 3 (House/Cabin) TM 3 Par. 15.1 Jack L. & Barbara A. Kimball 3912 Federal Ridge Road St. Marys, WV 26170 304-684-2674
Topo Spot # 4 (House/Cabin) TM 3 Par. 16 Gerald E. & Janice Mae Burns 3683 Federal Ridge Road St. Marys, WV 26170 304-684-2685	Topo Spot # 5 (House/Cabin) TM 3 Par. 16 Gerald E. & Janice Mae Burns 3683 Federal Ridge Road St. Marys, WV 26170 304-684-2685	Topo Spot # 6 (House/Cabin) TM 3 Par. 18.1 Craig & Liane Davis Bennett 17 Little Ridge Road St. Marys, WV 26170 304-684-9272
Topo Spot # 7 (House/Cabin) TM 3 Par. 16 Gerald E. & Janice Mae Burns 3683 Federal Ridge Road St. Marys, WV 26170 304-684-2685	Topo Spot # 8 (House/Cabin) TM 3 Par. 30.4 Robert E. & Beverly J. Davis 3413 Federal Ridge Road St. Marys, WV 26170 304-485-6069	Topo Spot # 9 (House/Cabin) TM 3 Par. 30.3 Richard E. Davis 3263 Federal Ridge Road St. Marys, WV 26170 304-684-7414
Topo Spot # 10 (House/Cabin) TM 3 Par. 30.2 William Chad Davis 3245 Federal Ridge Road St. Marys, WV 26170 304-684-9968	Topo Spot # 11 (House/Cabin) TM 3 Par. 20 Raymond P. & Angela K. Shaffer 3248 Federal Ridge Road St. Marys, WV 26170 304-482-4201	Topo Spot # 12 (House/Cabin) TM 3 Par. 19 J. Leslie-Dayle Whitehead 436 Bartlett Drive Chesapeake, VA 23322 703-338-3066

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<p>Topo Spot # 13 (House/Cabin) TM 3 Par. 18 John R. & Gloria A. Cox 706 Dewey Avenue St. Marys, WV 26170 304-684-7667</p>	<p>Topo Spot # 14 (House/Cabin) TM 3 Par. 3 Alice L. Hubbard 709 2nd St. St. Marys, WV 26170 304-299-5342</p>	<p>Topo Spot # 15 (House/Cabin) TM 3 Par. 3.1 Samuel D. & Lydia Brookover 254 Little Ridge Road St. Marys, WV 26170 304-481-9452</p>
<p>Topo Spot # 16 (House/Cabin) TM 3 Par. 22 Beverly Lee Davis & Beth A. Maston c/o Beth A. Maston 3967 Cow Creek Road St. Marys, WV 26170-4919 304-665-2825</p>	<p>Topo Spot # 17 (House/Cabin) TM 3 Par. 20.4 Marsha J. & Oran Butler P.O. Box 339 St. Marys, WV 26170 No Phone</p>	<p>Topo Spot # 18 (House/Cabin) TM 3 Par. 21 Michael K. & Randy G. Fetty 5412 Cow Creek Road St. Marys, WV 26170-4919 304-665-2273</p>
<p>Topo Spot # 19 (House/Cabin) TM 3 Par. 2 Mt. Pleasant Church Trustees c/o Rita R. Higgins 2130 Federal Ridge Road St. Marys, WV 26170 304-684-7594</p>	<p>Topo Spot # 20 (House/Cabin) TM 4 Par. 1 John P. & Brenda J. Riggs P.O. Box 551 St. Marys, WV 26170 304-684-9563</p>	<p>Topo Spot # 21 (House/Cabin) TM 3 Par. 33 Lizzie Lucas c/o Tessy Carr 738 Walnut Hill Road St. Marys, WV 26170 No Phone</p>
<p>Topo Spot # 22 (House/Cabin) TM 5 Par. 8 Dennis B. Davis 5855 Hebron Road St. Marys, WV 26170 304-684-9925</p>	<p>Topo Spot # 23 (House/Cabin) TM 5 Par. 27.1 Darrick J. Felter 5890 Hebron Rd. St. Mary's, WV 26170 304-481-8758</p>	<p>Topo Spot # 24 (House/Cabin) TM 5 Par. 27.2 John L. & Shirley Mae Poling 5888 Hebron Rd. St. Mary's WV, 26170 304-532-1692</p>
<p>Topo Spot # 25 (House/Cabin) TM 5 Par. 25 Frances M. Davis Life Estate c/o Ruby J. Davis P.O. Box 235 St. Marys, WV 26170 304-684-3761</p>	<p>Topo Spot # 26 (House/Cabin) TM 5 Par. 27 Eric Dean Bills 5858 Hebron Rd. St. Mary's, WV 26170 304-210-0700</p>	<p>Topo Spot # 27 (House/Cabin) TM 5 Par. 23.2 Aaron D. Swiger 5775 Hebron Dr. St. Mary's, WV 26170 304-838-3626</p>
<p>Topo Spot # 28 (House/Cabin) TM 5 Par. 24 Aaron D. Swiger 5775 Hebron Dr. St. Mary's, WV 26170 304-838-3626</p>	<p>Topo Spot # 29 (House/Cabin) TM 5 Par. 21 Sue & William B. Whitlatch Jr. P.O. Box 206 St. Mary's WV 26170 304-684-2278</p>	<p>Topo Spot # 30 (House/Cabin) TM 5 Par. 20.1 Steven Franklin Rea 5487 Hebron Dr. St. Mary's, WV 26170 304-468-3848</p>

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<p>Topo Spot # 31 (House/Cabin) TM 5 Par. 7.1 Ronald R. Higgins P.O. Box 354 St. Mary's WV 26170 304-684-7741</p>	<p>Topo Spot # 32 (House/Cabin) TM 3 Par. 38 Timothy E. & Cheryl Myers 4661 Hebron Dr. St. Mary's, WV 26170 304-684-5654</p>	<p>Topo Spot # 33 (House/Cabin) TM 3 Par. 28.1 Fannie Sue Higgins 1809 N. Pleasants Hwy. St. Mary's, WV 26170 614-778-9645</p>
<p>Topo Spot # 34 (House/Cabin) TM 3 Par. 26 Douglas J. & Kimberly D. Little 4186 Hebron Dr. St. Mary's, WV 26170 304-684-2209</p>	<p>Topo Spot # 35 (House/Cabin) TM 3 Par. 13 Denton D. Little 63 Little Circle New Cumberland, WV 26047 304-670-4497</p>	<p>Topo Spot # 36 (House/Cabin) TM 3 Par. 14 John F. & Rita M. Pickens 6338 Pilot Knob Ave. Louisville, OH 44641 330-268-6942</p>
<p>Topo Spot # 37 (House/Cabin) TM 3 Par. 12 Homer A. & Esther J. Ruckle 4049 Federal Ridge Rd. St. Mary's, WV 26170 304-684-3016</p>	<p>Topo Spot # 38 (House/Cabin) TM 3 Par. 12.1 Joshua M. & Patrisha D. Wince 4223 Federal Ridge Rd. St. Mary's, WV 26170 304-210-1068</p>	

Exhibit 2A

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

RESIDENCES WITHIN 1 MILE OF P8 WELL PAD

Well: P8N4U
District: McKim
County: Pleasants
State: WV

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<p>Topo Spot # 16 (House/Cabin) TM 3 Par. 22 Beverly Lee Davis & Beth A. Maston c/o Beth A. Maston 3967 Cow Creek Road St. Marys, WV 26170-4919 304-665-2825</p>	<p>Topo Spot # 17 (House/Cabin) TM 3 Par. 20.4 Marsha J. & Oran Butler P.O. Box 339 St. Marys, WV 26170 No Phone</p>	<p>Topo Spot # 18 (House/Cabin) TM 3 Par. 21 Michael K. & Randy G. Fetty 5412 Cow Creek Road St. Marys, WV 26170-4919 304-665-2273</p>
<p>Topo Spot # 19 (House/Cabin) TM 3 Par. 2 Mt. Pleasant Church Trustees c/o Rita R. Higgins 2130 Federal Ridge Road St. Marys, WV 26170 304-684-7594</p>	<p>Topo Spot # 20 (House/Cabin) TM 4 Par. 1 John P. & Brenda J. Riggs P.O. Box 551 St. Marys, WV 26170 304-684-9563</p>	<p>Topo Spot # 21 (House/Cabin) TM 3 Par. 33 Lizzie Lucas c/o Tessa Carr 738 Walnut Hill Road St. Marys, WV 26170 No Phone</p>
<p>Topo Spot # 22 (House/Cabin) TM 5 Par. 8 Dennis B. Davis 5855 Hebron Road St. Marys, WV 26170 304-684-9925</p>	<p>Topo Spot # 23 (House/Cabin) TM 5 Par. 27.1 Darrick J. Felter 5890 Hebron Rd. St. Mary's, WV 26170 304-481-8758</p>	<p>Topo Spot # 24 (House/Cabin) TM 5 Par. 27.2 John L. & Shirley Mae Poling 5888 Hebron Rd. St. Mary's WV, 26170 304-532-1692</p>
<p>Topo Spot # 25 (House/Cabin) TM 5 Par. 25 Frances M. Davis Life Estate c/o Ruby J. Davis P.O. Box 235 St. Marys, WV 26170 304-684-3761</p>	<p>Topo Spot # 26 (House/Cabin) TM 5 Par. 27 Eric Dean Bills 5858 Hebron Rd. St. Mary's, WV 26170 304-210-0700</p>	<p>Topo Spot # 27 (House/Cabin) TM 5 Par. 23.2 Aaron D. Swiger 5775 Hebron Dr. St. Mary's, WV 26170 304-838-3626</p>
<p>Topo Spot # 28 (House/Cabin) TM 5 Par. 24 Aaron D. Swiger 5775 Hebron Dr. St. Mary's, WV 26170 304-838-3626</p>	<p>Topo Spot # 29 (House/Cabin) TM 5 Par. 21 Sue & William B. Whitlatch Jr. P.O. Box 206 St. Mary's WV 26170 304-684-2278</p>	<p>Topo Spot # 30 (House/Cabin) TM 5 Par. 20.1 Steven Franklin Rea 5487 Hebron Dr. St. Mary's, WV 26170 304-468-3848</p>

<p>Topo Spot # 31 (House/Cabin) TM 5 Par. 7.1 Ronald R. Higgins P.O. Box 354 St. Mary's WV 26170 304-684-7741</p>	<p>Topo Spot # 32 (House/Cabin) TM 3 Par. 38 Timothy E. & Cheryl Myers 4661 Hebron Dr. St. Mary's, WV 26170 304-684-5654</p>	<p>Topo Spot # 33 (House/Cabin) TM 3 Par. 28.1 Fannie Sue Higgins 1809 N. Pleasants Hwy. St. Mary's, WV 26170 614-778-9645</p>
<p>Topo Spot # 34 (House/Cabin) TM 3 Par. 26 Douglas J. & Kimberly D. Little 4186 Hebron Dr. St. Mary's, WV 26170 304-684-2209</p>	<p>Topo Spot # 35 (House/Cabin) TM 3 Par. 13 Denton D. Little 63 Little Circle New Cumberland, WV 26047 304-670-4497</p>	<p>Topo Spot # 36 (House/Cabin) TM 3 Par. 14 John F. & Rita M. Pickens 6338 Pilot Knob Ave. Louisville, OH 44641 330-268-6942</p>
<p>Topo Spot # 37 (House/Cabin) TM 3 Par. 12 Homer A. & Esther J. Ruckle 4049 Federal Ridge Rd. St. Mary's, WV 26170 304-684-3016</p>	<p>Topo Spot # 38 (House/Cabin) TM 3 Par. 12.1 Joshua M. & Patrisha D. Wince 4223 Federal Ridge Rd. St. Mary's, WV 26170 304-210-1068</p>	

RECEIVED
Office of Oil and Gas

JUL - 9 2019

WV Department of
Environmental Protection

DD

P8N4U Notice Documents

<u>Name</u>	<u>Address</u>	<u>6A</u>	<u>6A3</u>	<u>6A5</u>
Robert Davis	3413 Federal Ridge Rd., St. Marys, WV 26170	X	X	X
Victoria Davis	615 Riverside Dr., St. Marys, WV 26170	X	X	X
Gerald and Janice Burns	3683 Federal Ridge Rd., St. Marys, WV 26170	X	X	X
Linda K. Lough	4293 Hebron Rd., St. Marys, WV 26170	X		X
Grover Cox c/o ML Brooks	233 NE 3rd St., Satellite Beach, FL 32937		X	
Heartland Forest Fund, IV Limited Partnership (S)	19045 Stone Mt. Rd., Abingdon, VA 24210		X	
OCB Corp (s/m)	175 Grape Island, Lane, St. Marys, WV 26170		X	
Heartland Forest Fund, IV Limited Partnership (S)	19045 Stone Mt. Rd., Abingdon, VA 24210		X	
Paul Cusik	8019 Stallion Rd. NW, Magnolia, OH 44643		X	
Howard Dale & Karen Sue Smith	3911 Federal Ridge Rd., St. Marys, WV 26170	X		
Jack and Barbara Kimball	3912 Federal Ridge Rd, St. Marys, WV 26170	X		
Craig and Liane Davis	17 Little Ridge Rd., St. Marys, WV 26170	X		
Richard Davis	3263 Federal Ridge Rd., St. Marys, WV 26170	X		

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Office of Oil and Gas

JUL - 9 2019

WV Department of
Environmental Protection

DD

**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: 4/8/2019 **Date of Planned Entry:** 4/15/2019

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:

- SURFACE OWNER(s)

Name: Robert Davis
Address: 3413 Federal Ridge Rd., St. Marys, WV 26170

Name: Victoria Davis
Address: 615 Riverside Drive, St. Marys, WV 26170

Name: _____
Address: _____

- COAL OWNER OR LESSEE

Name: _____
Address: _____

- 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>39.392862, -81-116443</u>
County:	<u>Pleasants</u>	Public Road Access:	<u>Federal Ridge Road</u>
District:	<u>McKim</u>	Watershed:	<u>Middle Island Creek</u>
Quadrangle:	<u>Bens Run 7.5'</u>	Generally used farm name:	<u>Robert Davis and Victoria Davis</u>

Copies of the state Erosion and Sediment Control Manual and the statutes and rules related to oil and gas exploration and production may be obtained from the Secretary, at the WV Department of Environmental Protection headquarters, located at 600 State 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.

RECEIVED
OFFICE OF OIL AND GAS
JUL - 9 2019
WV Department of
Environmental Protection

Notice is hereby given by:

Well Operator: Jay Bee Oil and Gas, Inc
Telephone: 3014-628-3111
Email: clindsey@jaybeeoil.com

Address: 3570 Shields Hills Road, 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.



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 17, 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 P8 Pad, Pleasants County
 P8N4U Well site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #03-2017-0730 issued to Jay-Bee Oil & Gas, Inc. for access to the State Road for a well site located off of Pleasants County Route 28/2 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

RECEIVED
 Office of Oil and Gas

JUL - 9 2019

WV Department of
 Environmental Protection

Cc: Chris Linsey
 Jay-Bee Oil & Gas, Inc.
 CH, OM, D-3
 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.

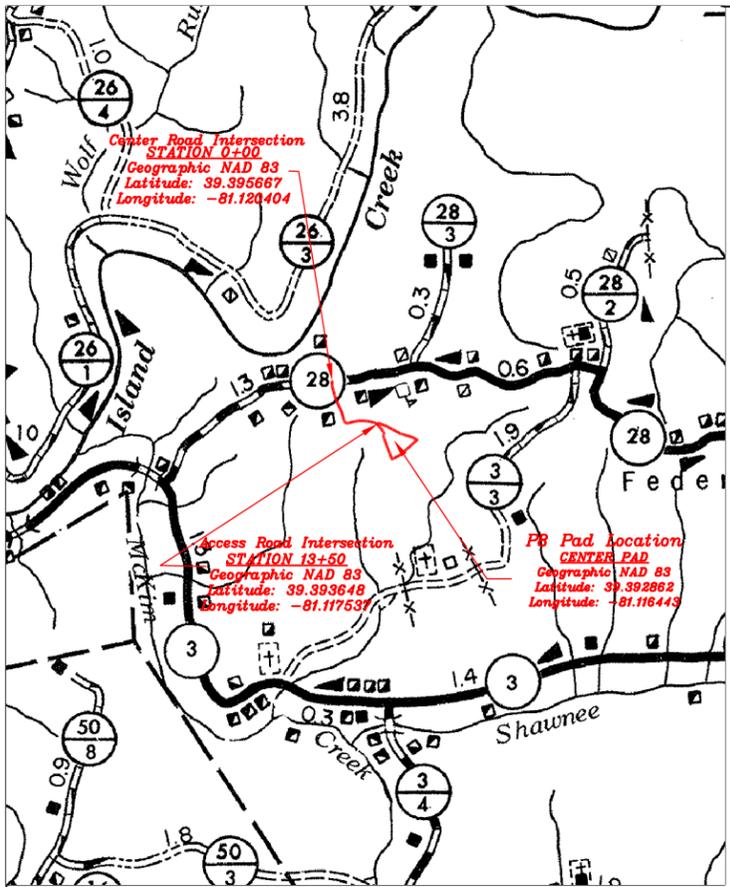
Sincerely,

Chris Lindsey
Office Manager

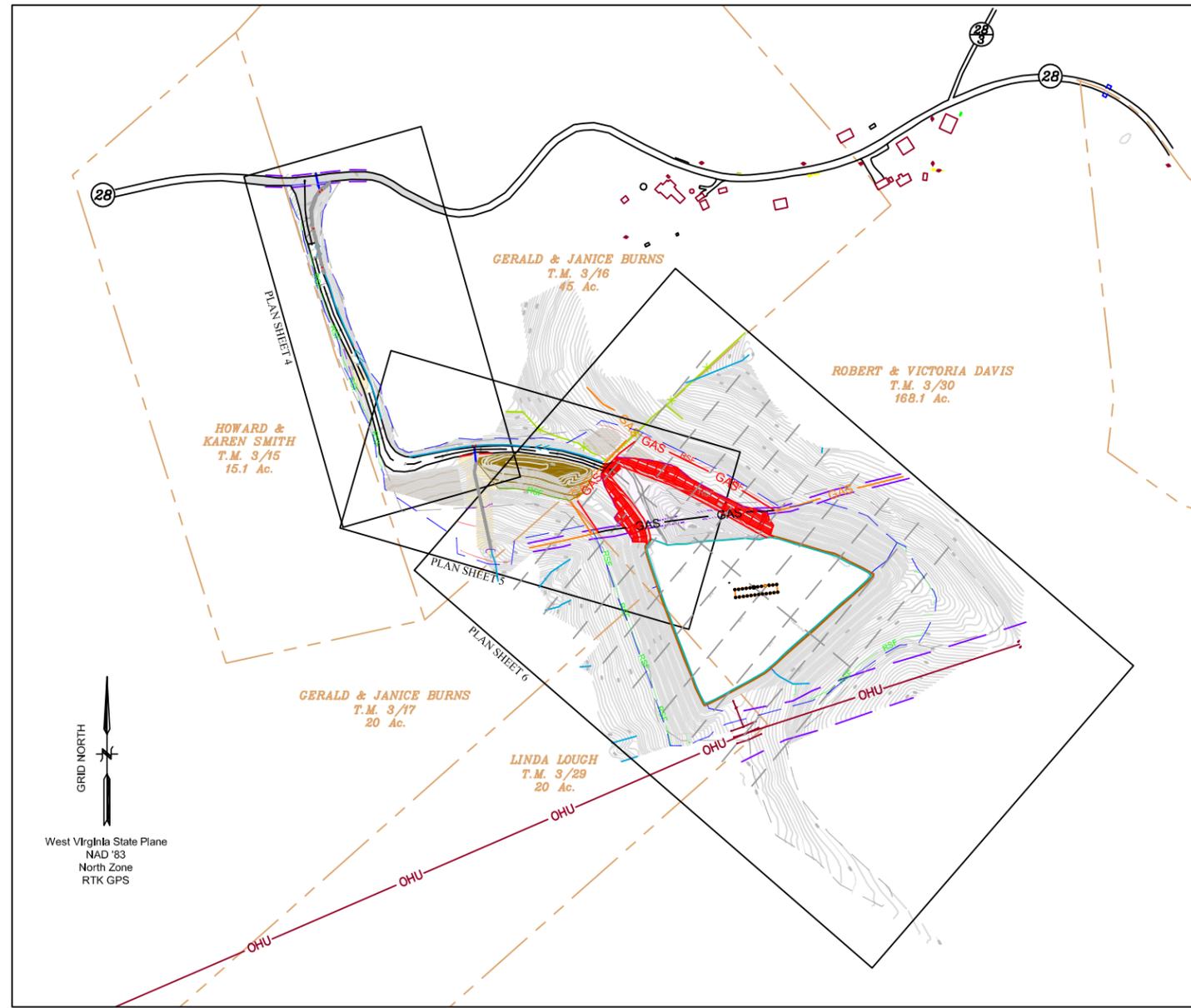
P8 WELL PAD AS-BUILT/ MODIFICATION SITE PLAN

Prepared for: JAY-BEE OIL & GAS INC.

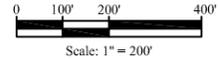
MCKIM DISTRICT
PLEASANTS COUNTY, WEST VIRGINIA
MAY 17, 2019



COUNTY HIGHWAY MAP
NOT TO SCALE



GRID NORTH
West Virginia State Plane
NAD '83
North Zone
RTK GPS



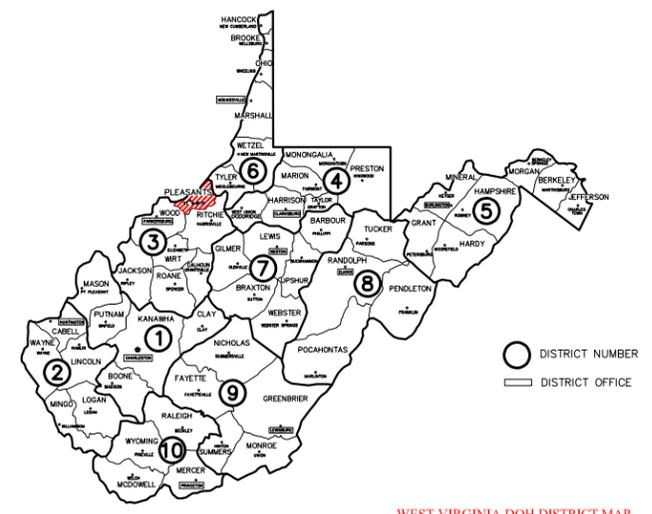
INDEX OF SHEETS	
COVER	1
NOTES AND DETAILS	2-3
PLAN AND PROFILE SHEETS	4-5
PAD PLAN	6
PAD SECTIONS	7-8
RECLAMATION PLAN	9

CENTER PAD
Geographic NAD 83
Latitude: 39.392862
Longitude: -81.116443
UTM NAD83 (Meters)
N: 4360380.84
E: 489972.99
Pad Elev: 1,058.70'

CENTER ROAD INT.
(Sta. 0+00)
Geographic NAD 83
Latitude: 39.395667
Longitude: -81.120404
UTM NAD83 (Meters)
N: 4360692.58
E: 489632.32

ACCESS ROAD INT.
(Sta. 13+50)
Geographic NAD 83
Latitude: 39.393648
Longitude: -81.117537
N: 4360468.16
E: 489878.94

APPROVED
WVDEP OOG
WVS 8/1/2019



P8 PAD DISTURBED AREAS (LIMITS OF DISTURBANCE)	
Davis T.M. 3/30	Road= 761 Sq. Ft. Pad= 367,894 Sq. Ft. Total= 368,655 Sq. Ft.
	Road Total= 0.02 Acres Pad Total= 8.45 Acres
Lough T.M. 3/29	Road= N/A Pad= 63,082 Sq. Ft. Total= 63,082 Sq. Ft.
	Road Total= 0.00 Acres Pad Total= 1.45 Acres
Burns T.M. 3/17	Road= 1,913 Sq. Ft. Pad= 18,221 Sq. Ft. Total= 20,134 Sq. Ft.
	Road Total= 0.04 Acres Pad Total= 0.42 Acres
Burns T.M. 3/16	Road= 163,314 Sq. Ft. Pad= N/A Total= 163,314 Sq. Ft.
	Road Total= 3.75 Acres Pad Total= N/A Total= 3.75 Ac.

TOTAL PERMITTED LIMIT OF DISTURBANCE (LOD): 15.4± ACRES

TOTAL MODIFIED LIMIT OF DISTURBANCE (LOD): 14.13± ACRES

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



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.

Joshua R. Cook RPE 17950:  Date: 07-31-2019

Jay Bee Oil & Gas DRILLING into the future

Jackson Surveying, Inc.
677 W. Main St.
Clarksburg, WV 26301
304-623-5651

North Central Engineering, LLC
Joshua Cook RPE
P.O. Box 628
Beckersport, WV 26330
Cell: 304-294-1583
E-Mail: jcook@NorthCentralEngineering.com

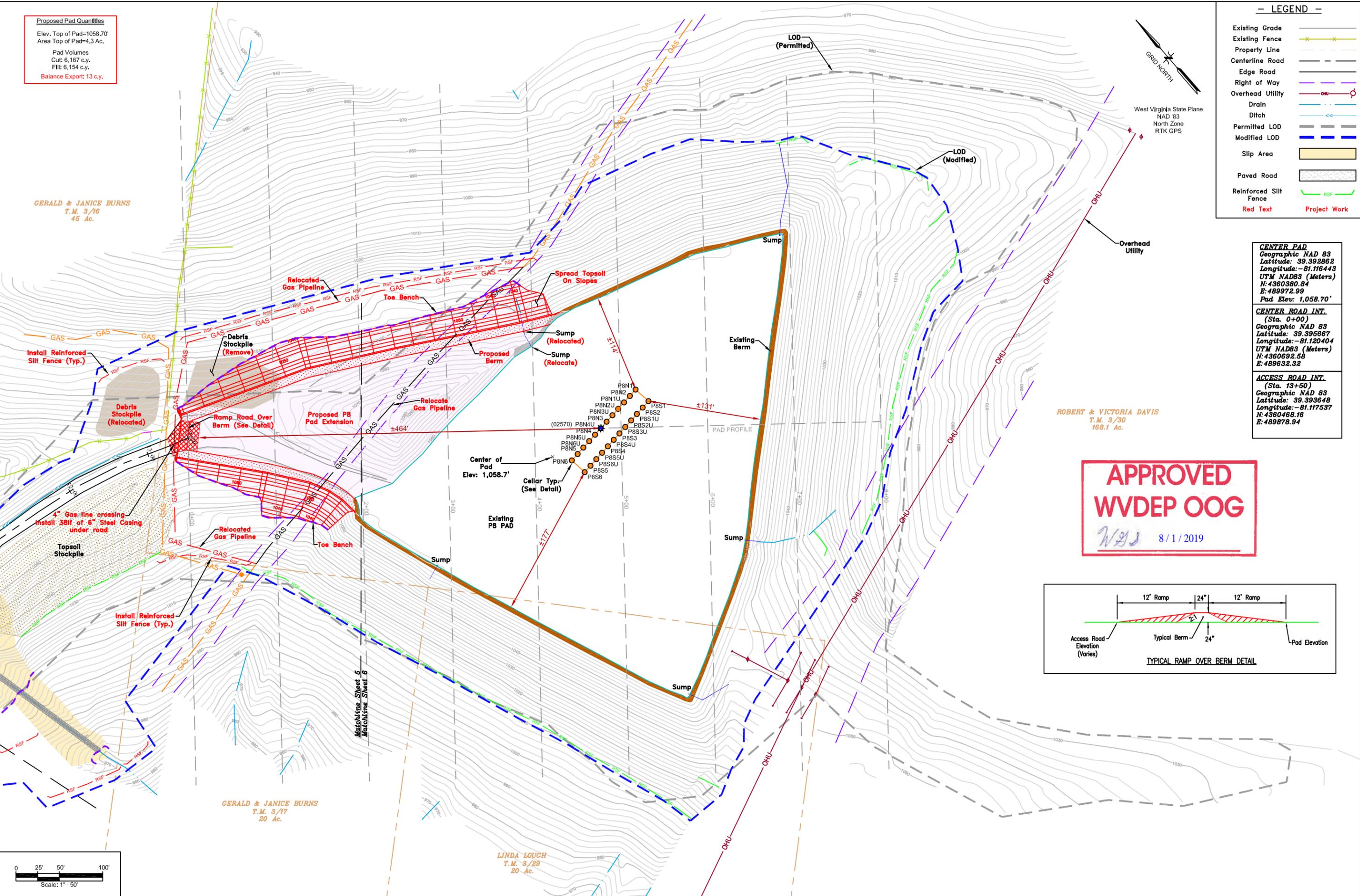
FINAL PLAN	ADDED CONTOURS & CONSTRUCTION SEQUENCE	DATE	DESCRIPTION
07-30-2019	07-31-2019		

JAYBEE OIL AND GAS INC.
P8 WELL PAD AS-BUILT/ MODIFICATION
SITE PLAN
PLEASANTS COUNTY, WEST VIRGINIA
COVER

SHEET No. 1

Proposed Pad Quantities
 Elev. Top of Pad=1058.70'
 Area Top of Pad=4.3 Ac.
 Pad Volumes
 Cut: 6,167 c.y.
 Fill: 6,154 c.y.
 Balance Export: 13 c.y.

GERALD & JANICE BURNS
 T.M. 3/16
 45 Ac.



LEGEND

- Existing Grade
- Existing Fence
- Property Line
- Centerline Road
- Edge Road
- Right of Way
- Overhead Utility
- Drain
- Ditch
- Permitted LOD
- Modified LOD
- Slip Area
- Paved Road
- Reinforced Silt Fence
- Red Text
- Project Work

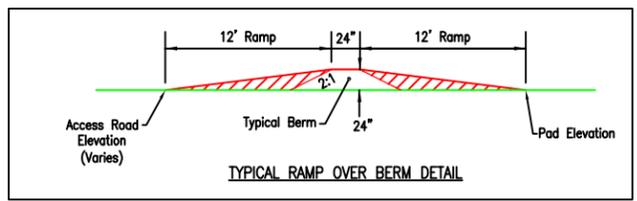
CENTER PAD
 Geographic NAD 83
 Latitude: 39.392862
 Longitude: -81.116443
 UTM NAD83 (Meters)
 N: 4360380.84
 E: 489972.99
 Pad Elev: 1,058.70'

CENTER ROAD INT.
 (Sta. 0+00)
 Geographic NAD 83
 Latitude: 39.395667
 Longitude: -81.120404
 UTM NAD83 (Meters)
 N: 4360692.58
 E: 489632.32

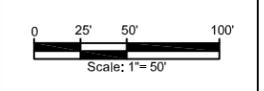
ACCESS ROAD INT.
 (Sta. 13+50)
 Geographic NAD 83
 Latitude: 39.393648
 Longitude: -81.117537
 N: 4360468.16
 E: 489878.94

ROBERT & VICTORIA DAVIS
 T.M. 3/30
 168.1 Ac.

APPROVED WVDEP OOG
 WJD 8/1/2019



Center of Pad
 Elev: 1,058.7'
 Cellar Typ- (See Detail)



GERALD & JANICE BURNS
 T.M. 3/17
 20 Ac.

LINDA LOUGH
 T.M. 3/29
 20 Ac.

JAYBEE OIL AND GAS INC.
 PR WELL PAD AS-BUILT/ MODIFICATION
 SITE PLAN
 PLEASANTS COUNTY, WEST VIRGINIA
 PAD PLAN

Jackson Surveying, Inc.
 677 W. Main St.
 Charleston, WV 26301
 304-623-5851

North Central Engineering, LLC
 Joshua Cook, RPE
 P.O. Box 628
 Bridgeport, WV 26330
 Cell: 304-299-1583
 E-Mail: jcook@NorthCentralEngineering.com

DATE	DESCRIPTION
07-30-2019	FINAL PLAN
07-31-2019	ADDED CONTOURS & CONSTRUCTION SEQUENCE

SHEET No. **6**