



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

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Friday, July 30, 2021
WELL WORK PERMIT
Horizontal 6A / New Drill

JAY-BEE OIL & GAS, INC.
60 WALNUT AVE. SUITE 190
CLARK, NJ 07066

Re: Permit approval for GRUMPY 5B
47-095-02750-00-00

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

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

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

James A. Martin
Chief

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

Operator's Well Number: GRUMPY 5B
Farm Name: DIANA WOODBURN SAMSQ
U.S. WELL NUMBER: 47-095-02750-00-00
Horizontal 6A New Drill
Date Issued: 7/30/2021

Promoting a healthy environment.

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.

API Number: _____

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.

WW-6B
(04/15)

API NO. 47-095 - _____
 OPERATOR WELL NO. Grumpy 5B
 Well Pad Name: Grumpy

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 Tyler McElroy Shirley 7.5'
 Operator ID County District Quadrangle

2) Operator's Well Number: Grumpy 5B Well Pad Name: Grumpy

3) Farm Name/Surface Owner: Diana Sampson Public Road Access: Indian Creek

4) Elevation, current ground: 1,299' Elevation, proposed post-construction: 1,299'

5) Well Type (a) Gas Oil _____ Underground Storage _____
 Other _____

(b) If Gas Shallow Deep _____
 Horizontal _____

6) Existing Pad: Yes or No Yes *DMH 6/21/21*

7) Proposed Target Formation(s), Depth(s), Anticipated Thickness and Expected Pressure(s):
Marcellus, Target Depth 7,075', 41-60' thick, 3500# pressure

8) Proposed Total Vertical Depth: 7,075'

9) Formation at Total Vertical Depth: Marcellus

10) Proposed Total Measured Depth: 15,089'

11) Proposed Horizontal Leg Length: 5,188'

**DO NOT CO-MINGLE
 Freshwater with
 salt/coal horizons*

12) Approximate Fresh Water Strata Depths: 120'

13) Method to Determine Fresh Water Depths: API 47-095-00010 for coal. API 47-095-02161 Freshwater/Saltwater

14) Approximate Saltwater Depths: 870'

15) Approximate Coal Seam Depths: 501', 640', 734', 893', 956'

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

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

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

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18)

CASING AND TUBING PROGRAM

TYPE	Size (in)	New or Used	Grade	Weight per ft. (lb/ft)	FOOTAGE: For Drilling (ft)	INTERVALS: Left in Well (ft)	CEMENT: Fill-up (Cu. Ft.)/CTS
Conductor	26"	New	H40	202 lb./ft.	30'	30'	CTS 49 Cu. Ft.
Surface	18 5/8"	New	K55	87.5 lb./ft.	300'	300'	CTS 375 Cu. Ft.
Intermediate 1	13 3/8"	New	J55	61 lb./ft.	1,800'	1,800'	CTS 1,250 Cu. Ft.
Intermediate 2	9 5/8"	New	HCP110	47 lb./ft.	7,100'	7,100'	CTS 2,224 Cu. Ft.
Production	5 1/2"	New	P110	23 lb./ft.	15,089'	15,089'	4,148.7 Cu Ft. 1,500 feet from Surface
Tubing	N/A						
Liners	N/A						

DMH 6/21/21

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
Surface	18 5/8"	24"	.435	2,250	1,000	Class A	1.18-1.20
Intermediate 1	13 3/8"	17 1/2"	.480	3,090	1,500	Class A	1.18-1.24
Intermediate 2	9 5/8"	12 1/4"	.472	9,440	2,000	Class A	1.18-3.00
Production	5 1/2"	7 7/8"	.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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19) Describe proposed well work, including the drilling and plugging back of any pilot hole:

Drill and Stimulate a new Horizontal Well. Using a top hole rig, we will drill top hole to kick off point by drilling the conductor, freshwater and intermediate holes. Using a directional rig we will drill the production holes.

DMAH 6/21/21

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

300-350' per state 8,500bbls of water, 150,000-400,000lbs of sand, friction reducer, 1# per gallon, scale inhibitor and bacteria prevention 1/4# per gallon 2,000 gallons 15% vol acid. 77bpm @6,500# pressure.

21) Total Area to be disturbed, including roads, stockpile area, pits, etc., (acres): 26.99 acres

22) Area to be disturbed for well pad only, less access road (acres): 16.36 acres

23) Describe centralizer placement for each casing string:

Vertical - Every 500' Bow Centralizer, and 50' from top of ground. Horizontal every 42' Spiral Centralizer, Curve - Every 84' Spiral Centralizer.

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

24" hole for the 18 5/8" fresh water case, Class A Cement, 2% Calcium Chloride, 1/4# flake.
17 1/2" hole for the 13 3/8" intermediate 1 case, Class A Cement, 2% Calcium Chloride.
12 1/4" hole for the 9 5/8" intermediate 2 case, Class A Cement, 2% Calcium Chloride.
7 7/8" hole for the 5 1/2" production case, Type 1 Cement, Fly Ash, Barite, Finetol 300L, R-3 Celio Flake, Sugar, CD-32, FL-62.

25) Proposed borehole conditioning procedures:

Air Hole: 24" for the 18 5/8: fresh water case - Circulate until clean with air. If soaping, slug then dry.
Air Hole: 17 1/2" for the 13 3/8: intermediate 1 case - Circulate until clean with air. If soaping, slug then dry.
Air Hole: 12 1/4" for the 9 5/8" intermediate 2 case - Circulate until clean with air. If soaping, slug then dry.
7 7/8" hole for the 5 1/2" production case - Circulate with mud and sweeps for two times bottoms up. If needed weight up mud until no cutting retrieved, then circulate with mud and sweeps for two times bottoms up.

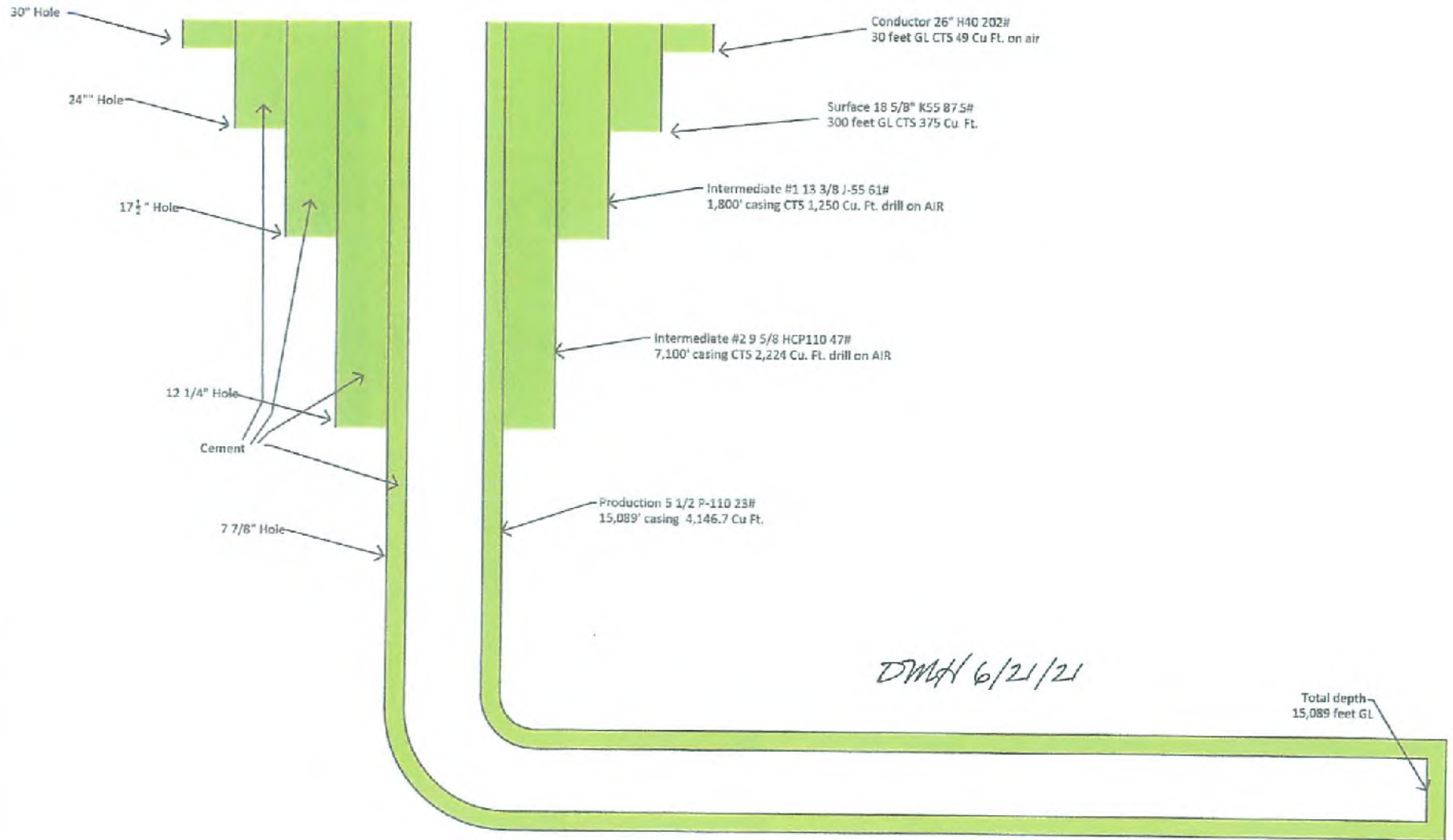
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*Note: Attach additional sheets as needed.

JUN 28 2021

Jay-Bee Oil & Gas Inc.
Well Name: Grumpy 5B
GL Elevation: 1,299.0'

District: McElroy
County: Tyler
State: West Virginia



WW-9
(4/16)

API Number 47 - 095 - _____
Operator's Well No. Grumpy 5B

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) Outlet Middle Island Creek Quadrangle Shirley 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 _____)
- Reuse (at API Number _____)
- Off Site Disposal (Supply form WW-9 for disposal location)
- Other (Explain Using Contract Haulers (API 47-085-05151))

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

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)

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

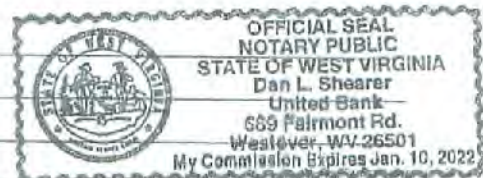
-Landfill or offsite name/permit number? Meadowfill/Permit 101219VV

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 Kim Swiger
Company Official (Typed Name) Kim Swiger
Company Official Title Permitting Agent



Subscribed and sworn before me this 16 day of June, 2021

Dan L. Shearer Notary Public

My commission expires 01/10/2022



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: Derek M. Haught

Comments: _____

Title: Oil & Gas Inspector Date: 6/21/21

Field Reviewed? Yes No

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PROPOSED GRUMPY 5B



MIKE & KAREN
PSZCZOLKOWSKI
129.5 ACRES
05-06-35

PAUL HUFF, MIKE HILLER SR.,
MIKE HILLER JR.,
NATHAN HILLER
82.85 ACRES
05-06-25

JAY BEE OIL & GAS INC
8.0 ACRES
05-06-35.1

RANDY V. TUSTOL,
BRENDA C. TUSTOL,
TERRY HALL &
PATRICIA MATTHEWS
46.35 ACRES
05-11-6

FRANKLIN A. &
REBECCA D. CONNER
62.55 ACRES
05-06-24

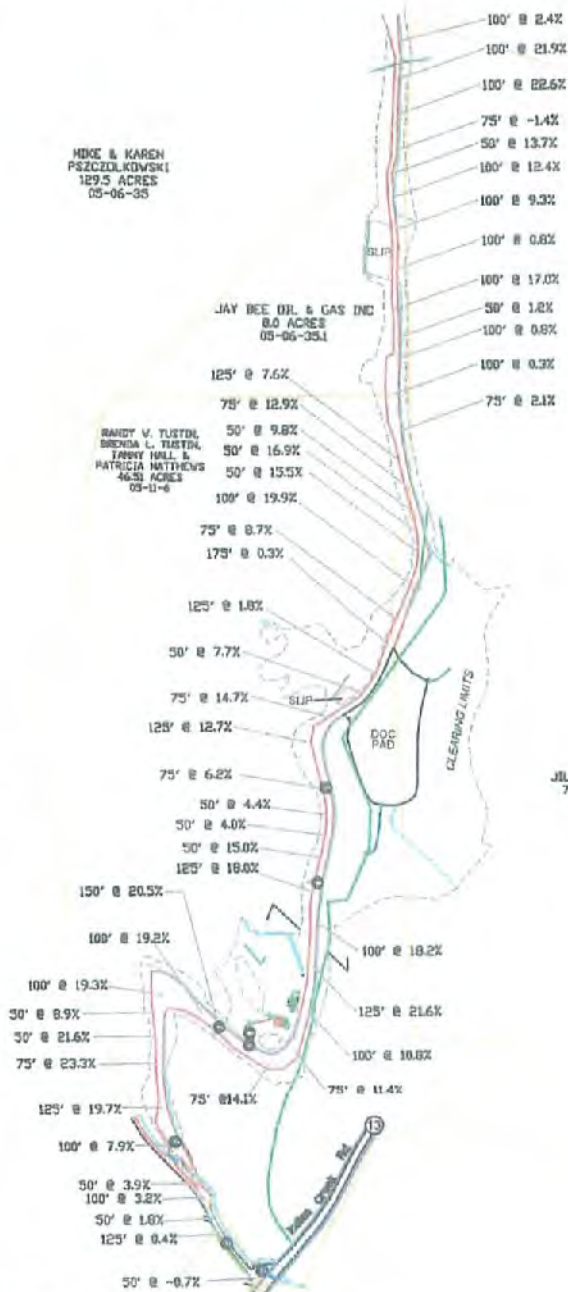
T. DOTSON
62 ACRES
05-11-5

JILL H. HOOVER
73.36 ACRES
05-11-17

JANE ELIZABETH DOTSON
37 ACRES
05-11-51

DOTSON
D.B. 343/500
1 ACRE
05-11-52

JACKIEE STRAIGHT
D.B. 359/ 115
0.88 ACRES.
05-11-15



REFERENCE IS HEREBY MADE TO THE WV DEPT. OFFICE OF OIL & GAS, EROSION AND SEDIMENT CONTROL FIELD MANUAL FOR REQUIREMENTS AND SAPS FOR AVERAGE FIELD CONDITIONS CONCERNING THE MAINTENANCE OF EXISTING ROADS AND THE CONSTRUCTION OF PROPOSED ROADS. FIELD CONDITIONS MAY REQUIRE VARIANCE FROM THESE GUIDELINES AND THE CONTRACTOR IS RESPONSIBLE FOR NOTIFICATION TO THE INSPECTOR AND THESE CONDITIONS OCCUR.

INSTALL CULVERTS AS SHOWN ON RECLAMATION PLAN OR AS FIELD CONDITIONS REQUIRE.

ENTRANCES ONTO PUBLIC ROADS SHALL BE CONSTRUCTED OR MAINTAINED IN ACCORDANCE WITH WV DOT REGULATIONS. ADDITIONAL PERMITS MAY BE REQUIRED.

TEMPORARILY SEED AND MULCH ALL SLOPES UPON CONSTRUCTION OF LOCATION.

ALL CUT AND FILL SLOPES ARE ON 1:1 V SLOPE.

ALL TREES 6-INCHES AND ABOVE ARE TO BE CUT AND STACKED. BRUSH SLASHINGS ARE TO UTILIZED DOWN SLOPE OF SITE AND STRUCTURES TO ACT AS A CONTROL BARRIER IF AVAILABLE.

LEGEND

- ⊙ Culvert
- ⊙ Timber/Brush Pile
- ⊙ Topsoil Stockpile
- Sediment and Erosion Control
- Proposed LOD
- - - Modified LOD
- Edge of Road
- Stream / Drain
- Field Fence
- Overhead Utility Line
- Gas Line
- Property Line

DW 6/21/21



Jackson Surveying Inc.
2748K P.O. Box 21, 6112
Charleston, WV 25307
Phone: 304-425-0951

TOPD SECTION		OPERATOR	
BENS RUN 7.5'		PREPARED FOR:	
COUNTY	DISTRICT	JAYBEE OIL & GAS INC.	
TYLER	MCELROY	3570 SHIELDS HILL RD.	
DRAWN BY		DATE	
J.D.C.	GRUMPY 5B	06-09-2021	
		SCALE	
		NONE	

OPERATOR	
PREPARED FOR:	
JAYBEE OIL & GAS INC.	
3570 SHIELDS HILL RD.	
CARO, WV 26339	
DATE	SCALE
06-09-2021	NONE



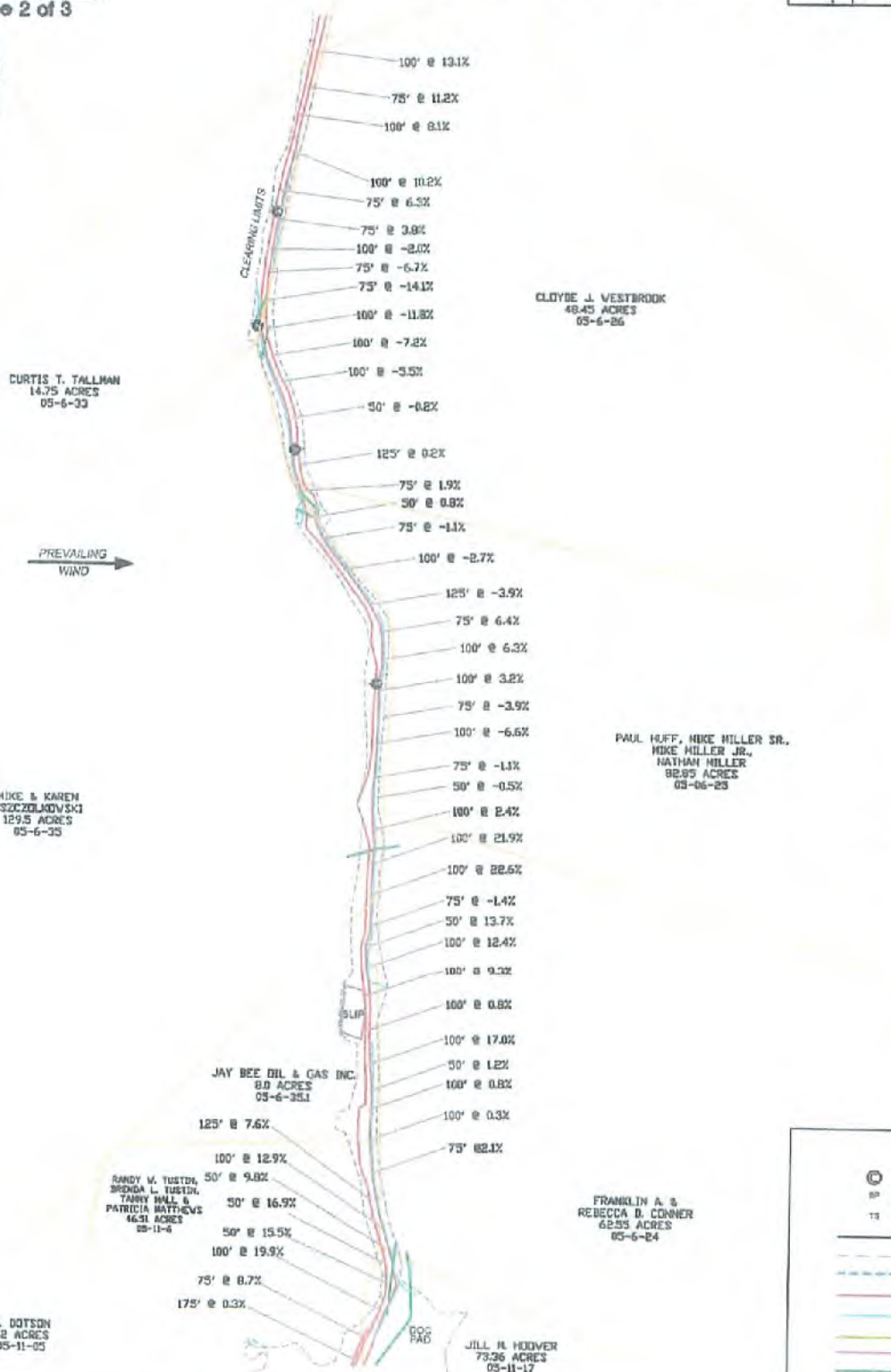
Jay Bee
Oil & Gas

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PROPOSED GRUMPY 5B

DRAWING NOT TO SCALE



REFERENCE IS HEREBY MADE TO THE WV DEP. OFFICE OF OIL & GAS, "GROSS AND SEDIMENT CONTROL FIELD MANUAL" FOR REQUIREMENTS AND BMPs FOR AVERAGE FIELD CONDITIONS CONCERNING THE MAINTENANCE OF EXISTING ROADS AND THE CONSTRUCTION OF PROPOSED ROADS. FIELD CONDITIONS MAY REQUIRE VARIANCE FROM THESE GUIDELINES AND THE EARTHWORK CONTRACTOR IS RESPONSIBLE FOR NOTIFICATION TO THE INSPECTOR AND THE OPERATOR SHOULD THESE CONDITIONS OCCUR.

INSTALL CULVERTS AS SHOWN ON RECLAMATION PLAN OR AS FIELD CONDITIONS REQUIRE.

ENTRANCES ONTO PUBLIC ROADS SHALL BE CONSTRUCTED OR MAINTAINED IN ACCORDANCE WITH WV D.O.T. REGULATIONS. ADDITIONAL PERMITS MAY BE REQUIRED.

TEMPORARILY SEED AND MULCH ALL SLOPES UPON CONSTRUCTION OF LOCATION.

ALL CUT AND FILL SLOPES ARE 2H : 1V SLOPE.

ALL TREES 6-INCHES AND ABOVE ARE TO BE CUT AND STACKED. BRUSH slashings ARE TO UTILIZED DOWN SLOPE OF SITE AND STRUCTURES TO ACT AS A CONTROL BARRIER IF AVAILABLE.

LEGEND

- ⊙ Culvert
- BP Timber/Brush Pile
- TS Topsoil Stockpile
- Sediment and Erosion Control
- Proposed LOD
- - - Modified LOD
- Edge of Road
- Stream / Drain
- Field Fence
- Overhead Utility Line
- Gas Line
- Property Line

T. DOTSON
62 ACRES
05-11-05

RANDY W. TUSTAN,
BRENDA L. TUSTAN,
TERRY HILL &
PATRICIA MATTHEWS
16.31 ACRES
05-11-0

JAY BEE OIL & GAS INC.
8.0 ACRES
05-6-35.1

FRANKLIN A. &
REBECCA D. CONNER
62.55 ACRES
05-6-24

JILL R. HOOVER
73.26 ACRES
05-11-17

CLOYDE J. WESTBROOK
48.45 ACRES
05-6-26

PAUL HUFF, MIKE MILLER SR.,
MIKE MILLER JR.,
NATHAN MILLER
88.65 ACRES
03-06-23

CURTIS T. TALLMAN
14.75 ACRES
05-6-33

MIKE & KAREN
PSZCZOLOWSKI
129.5 ACRES
05-6-33

PREVAILING WIND

Jackson Surveying Inc.
2715S PINE OIL #178
Charleston, W. Va. 25307
Phone: 304-822-8801

TOPO SECTION:		OPERATOR:	
BENS RUN 7.5'		PREPARED FOR:	
COUNTY	DISTRICT	JAYBEE OIL & GAS INC. 3570 SHIELDS HILL RD. CARO, WV 26337	
TYLER	MCLEROY	DATE	SCALE
DRAWN BY	PROJECT	06-09-2021	NONE
J.D.C.	GRUMPY 5B		

TOPO SECTION:		OPERATOR:	
BENS RUN 7.5'		PREPARED FOR:	
COUNTY	DISTRICT	JAYBEE OIL & GAS INC. 3570 SHIELDS HILL RD. CARO, WV 26337	
TYLER	MCLEROY	DATE	SCALE
DRAWN BY	PROJECT	06-09-2021	NONE
J.D.C.	GRUMPY 5B		



Jay Bee Oil & Gas

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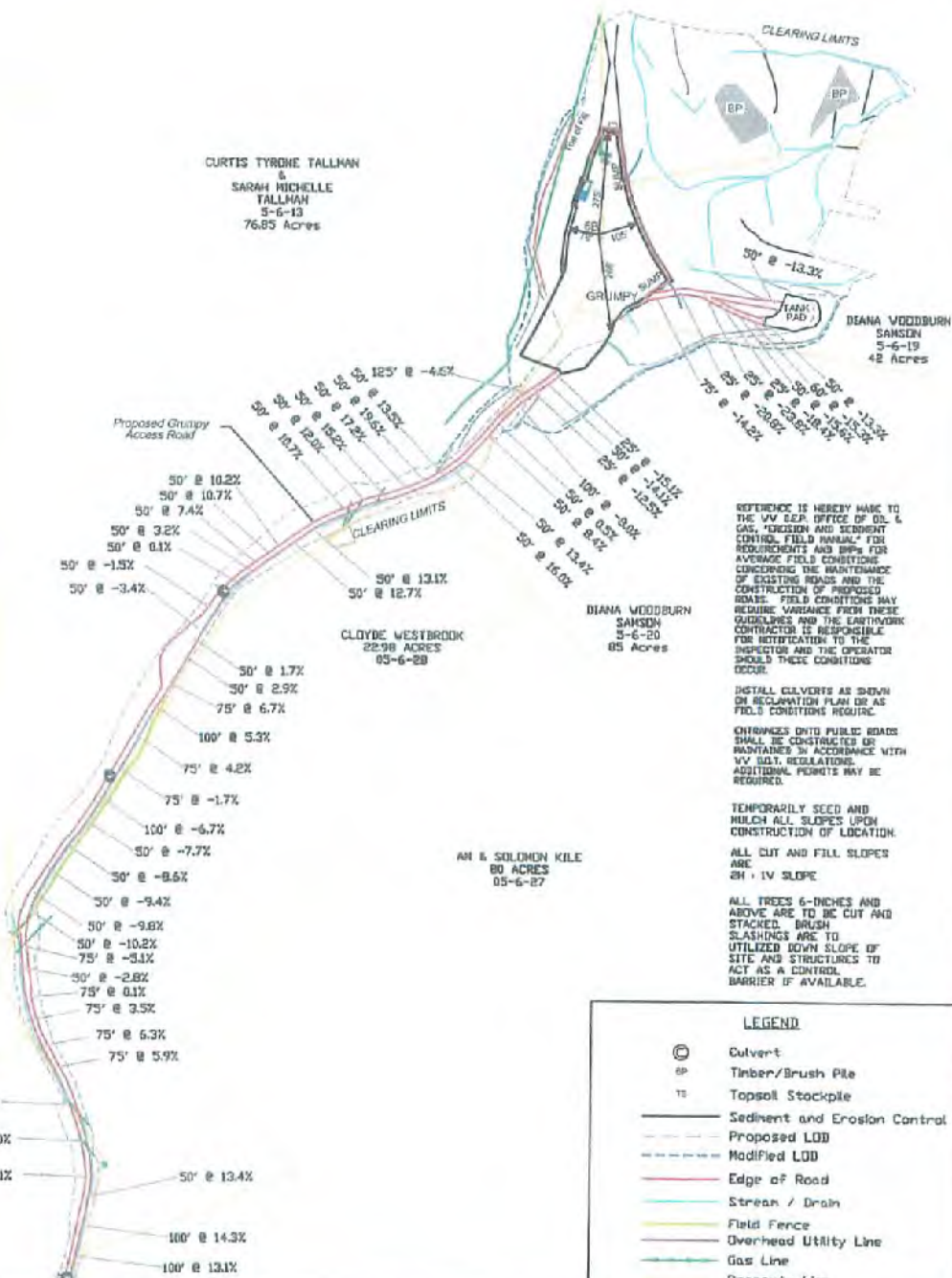
ANDREA S. AKERS
3-6-14
60 Acres



CLIFFORD A. WARNER - LIFE
HANNAH D. KIRK &
MEGGIE K. VOLL
151 TOTAL ACRES
05-6-11

CURTIS TYRONE TALLMAN &
SARAH MICHELLE TALLMAN
5-6-13
76.65 Acres

DIANA WOODBURN
SAMSON
5-6-19
42 Acres



CLOYDE WESTBROOK
22.98 ACRES
05-6-28

DIANA WOODBURN
SAMSON
5-6-20
85 Acres

AN & SOLOMON KILE
80 ACRES
05-6-27

CURTIS T. TALLMAN
14.75 ACRES
05-6-31

CURTIS T. TALLMAN
14.75 ACRES
03-6-32

REFERENCE IS HEREBY MADE TO THE WV DEPT. OFFICE OF OIL & GAS "DESIGN AND SECURITY CONTROL FIELD MANUAL" FOR REQUIREMENTS AND BMPs FOR AVOIDING FIELD CONDITIONS CONCERNING THE MAINTENANCE OF EXISTING ROADS AND THE CONSTRUCTION OF PROPOSED ROADS. FIELD CONDITIONS MAY REQUIRE VARIANCE FROM THESE GUIDELINES AND THE CONTRACTOR IS RESPONSIBLE FOR IDENTIFICATION TO THE INSPECTOR AND THE OPERATOR SHOULD THESE CONDITIONS OCCUR.

INSTALL CULVERTS AS SHOWN ON RECONSTRUCTION PLAN OR AS FIELD CONDITIONS REQUIRE.

CHANGES ONTO PUBLIC ROADS SHALL BE CONSTRUCTED OR MAINTAINED IN ACCORDANCE WITH WV SOIL REGULATIONS. ADDITIONAL PERMITS MAY BE REQUIRED.

TEMPORARILY SEED AND MULCH ALL SLOPES UPON CONSTRUCTION OF LOCATION.

ALL CUT AND FILL SLOPES ARE 2H : 1V SLOPE.

ALL TREES 6-INCHES AND ABOVE ARE TO BE CUT AND STACKED. BRUSH SLASHINGS ARE TO UTILIZED DOWN SLOPE OF SITE AND STRUCTURES TO ACT AS A CONTROL BARRIER IF AVAILABLE.

LEGEND

- ⊙ Culvert
- ⊖ Timber/Brush Pile
- ▭ Topsoil Stockpile
- Sediment and Erosion Control
- Proposed LOD
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- Edge of Road
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- Property Line

Jackson Surveying Inc.
3413 E. Palm St. #114
Martinsburg, Wv 26107
Phone: 504-853-9881

TOPOG SECTION:		OPERATOR:	
BENS RUN 1.5'		PREPARED FOR:	
COUNTY	DISTRICT	JAYDEE OIL & GAS INC. 3570 SHIELDS HILL RD. CARD, WV 26031	
TYLER	MCELROY	DATE	SCALE
DRAWN BY:	PROJECT	06-09-2021	NONE
J.C.C.	GRUMPY 5B		



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4709502750

API	Operator	Status	Latitude	Longitude	Vertical TD	Producing Formation	Producing Zones Not Perforated
095-30474A	Unknown	Abandoned	****	****	Unknown	Unknown	
095-30729A	Unknown	Abandoned	****	****	2,730'	Gordon Sand	
095-90860	Unknown	Unknown	****	****	Unknown	Unknown	

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Grumpy 5B

WELL SITE SAFETY PLAN

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WV Department of
Environmental Protection

JAY-BEE OIL & GAS, INC

DMH 6/21/21



Jay Bee Oil & Gas, Inc.
3570 Shields Hill Road
Cairo, WV 26337

June 18, 2021

Permitting Office
Office of Oil and Gas
WV Department of Environmental Protection
601 57th Street SE
Charleston, WV 25304

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WV Department of
Environmental Protection

Re: Grumpy Pad Flood Zone

To Whom It May Concern:

As you know we have applied for a well permit for Grumpy 5B situate in McElroy District, Tyler County, West Virginia. This letter serves as notification to alert you that the proposed well site is not located in a flood zone, according to the West Virginia flood plain tool. However, we have obtained approval from the Tyler County Floodplain Manager, and the approved permit is attached.

Should you have any questions, please feel free to contact me.

Sincerely,

Kim Swiger
Permitting Agent

TYLER COUNTY
FLOODPLAIN DEVELOPMENT PERMIT APPLICATION
Floodplain Management Program

Date of Application: 11/5/2013

Permit# 2013-11-J&B-Grumpy

Application Information

Name: Jay-Bee Oil & Gas, Inc
City: Cairo

Mailing Address: 3570 Shields Hill Rd
State: WV Zip: 26337 Phone: 304-628-3111

Contractor Information & License Number (if applicable) WV License #: _____

Name: _____ Mailing Address: _____
City: _____ State: _____ Phone: _____

Property Address: _____ Cost of Improvement: _____
(Provide directions if no address below) (Provide Documentation)

Type of Structure: (Check All That Apply)
_____ Residential
_____ Excavation/Fill Activities
_____ Manufactured Home

_____ Demolition
_____ Commercial/Industrial
_____ Garage/Detached Structure
X _____ Other (explain)

Description of Work To Be Completed:
Well pad construction site and access road

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Signature 

APPLICANT WILL PROVIDE ONE COPY OF PLANS AND SPECIFICATIONS OF THE PROPOSED CONSTRUCTION.
PLEASE USE THE WV FLOODPLAIN TOOL TO PROVIDE A MAP SHOWING EXACT LOCATION.


**FOR USE BY FLOOD PLAIN MANAGER
PERMIT #2013-11-J&B-Grumpy**

IS THE PROPERTY IN FLOOD ZONE (CIRCLE WHICH APPLIES)	A	AE	IN FLOODWAY	<u>X</u>
IS ADDITIONAL INFORMATION REQUIRED? (FIRMette attached)	<u>Y</u>	N		
ARE OTHER FEDERAL, STATE, OR LOCAL PERMITS REQUIRED?	<u>Y</u>	N		
ARE OTHER CITY REGULATIONS APPLICABLE?	Y	<u>N</u>		
IS THIS A SUBSTANTIAL IMPROVEMENT?	<u>Y</u>	N		
IS THERE A NON-CONVERSION AGREEMENT	Y	<u>N</u>		
IS THERE PROPER FLOOD VENTING IN THE FOUNDATION?	Y	N/A		
SITE PLANS ATTACHED?	<u>Y</u>	N		
ELEVATION CERTIFICATE REQUIRED/ATTACHED?	Y	<u>N</u>		
ESTIMATED COST OF DEVELOPMENT/ IMPROVEMENT		\$ N/A		
FREEBOARD REQUIRED?	Y	<u>N</u>	HOW MUCH?	1ft 2ft

(X) PERMIT APPLICATION APPROVED

() PERMIT APPLICATION REJECTED

SPECIAL INSTRUCTIONS BY THE FLOODPLAIN MANAGER.

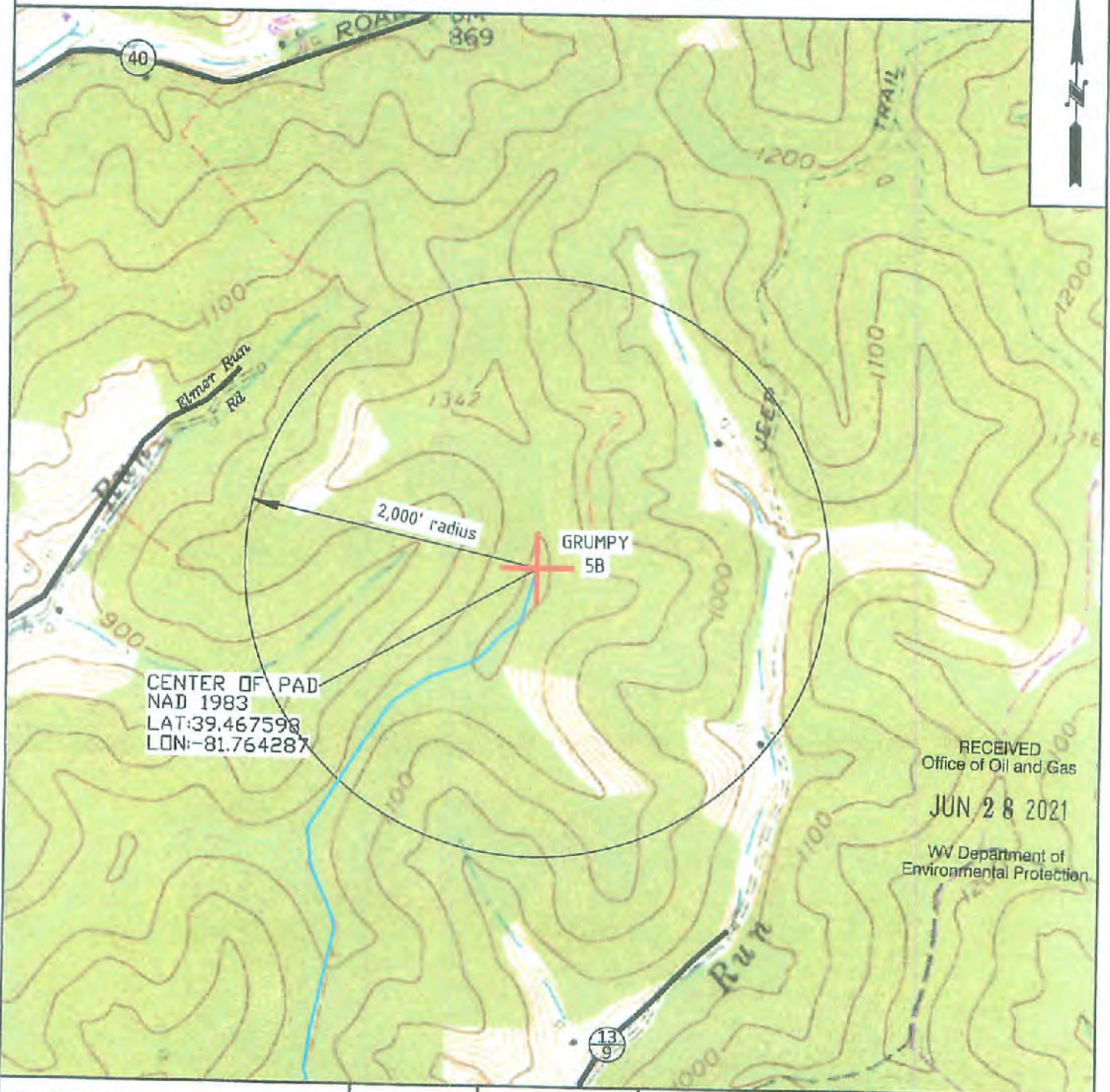


FLOOD PLAIN MANAGER

11-5-2013
DATE

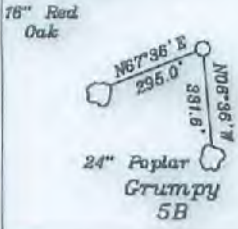
Submit to:
Tyler County Office of Emergency Management
PO Box 238
Middlebourne, WV 26149
(304) 758-5155
tjcooper@frontier.com

There appears to be Zero (0) residences within 1,500'.



OPERATOR	TOPO SECTION	WELL NAME
JAYBEE OIL & GAS INC. 3570 Shields Hill Rd. Cairo, WV 26337	SHIRLEY 7.5'	GRUMPY 5B
	SCALE:	DATE:
	1" = 1000'	DATE: 06-08-2021

References:



CURVE	CHORD DIRECTION	CHORD DISTANCE	ARC DISTANCE
C1	N13°18'W	162.48'	162.48'



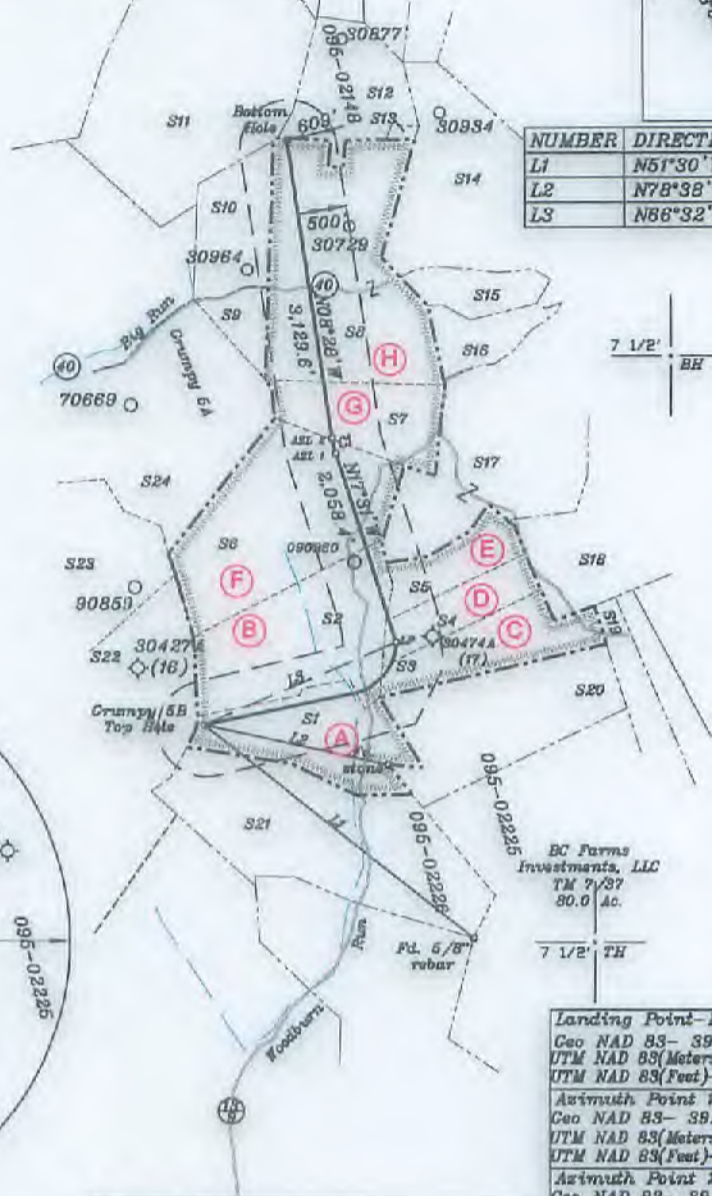
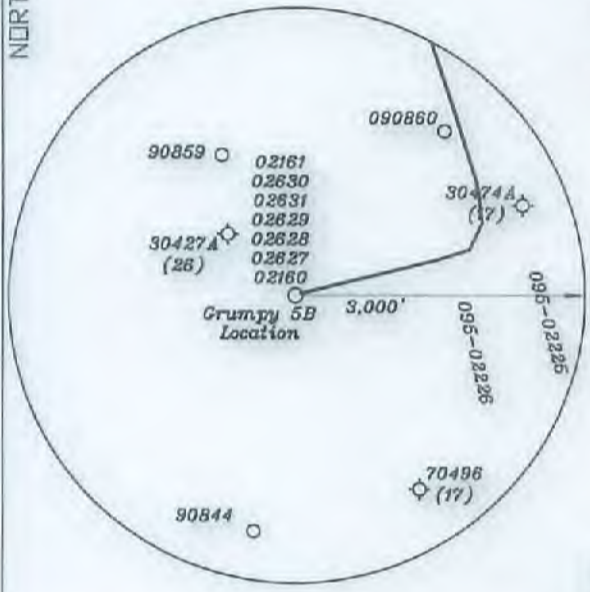
NUMBER	DIRECTION	DISTANCE
L1	N51°30'W	3,550.1'
L2	N78°38'W	1,950.0'
L3	N86°32'E	2,163.9'

Note: All wells within 500' of the horizontal leg are shown on this plat based upon information taken from DEP mapping, well plats & aerial photos.

— LEGEND —

- 500' from well bore path
- - - Surface Tracts Within Lease
- ===== Lease Line
- Adjoiner Line
- Marcellus Legs

NORTH



BC Farms Investments, LLC TM 7/37 80.0 Ac.

Landing Point-LP
Geo NAD 83- 39.470265 N, 80.757296 W
UTM NAD 83(Meters)-4369992.62 N. 520977.24 E
UTM NAD 83(Feet)-14333936.62 N. 1708911.43 E

Azimuth Point 1-AZ1
Geo NAD 83- 39.476630 N, 80.759777 W
UTM NAD 83(Meters)-4369587.50 N. 520887.55 E
UTM NAD 83(Feet)-14335888.31 N. 1708259.55 E

Azimuth Point 2-AZ2
Geo NAD 83- 39.476082 N, 80.759777 W
UTM NAD 83(Meters)-4369635.46 N. 520868.37 E
UTM NAD 83(Feet)-14336045.68 N. 1708219.57 E

Bottom Hole-BH
Geo NAD 83- 39.484542 N, 80.761505 W
UTM NAD 83(Meters)-4370576.16 N. 520510.16 E
UTM NAD 83(Feet)-14339191.92 N. 1707707.04 E

Top Hole-TH
Geo NAD 83- 39.467823 N, 80.764273 W
UTM NAD 83(Meters)-4368720.02 N. 520276.89 E
UTM NAD 83(Feet)-14333042.27 N. 1706941.76 E

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

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

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

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



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

DATE April 16, 2021
OPERATOR'S WELL NO. Grumpy 5B
API WELL NO. _____

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

LOCATION: ELEVATION 1,299.0' WATER SHED Woodburn Run of Outlet Middle Island Creek (HUC-10)
DISTRICT McElroy COUNTY Tyler
QUADRANGLE Shirley 7 1/2'

SURFACE OWNER Diana Woodburn Samson ACREAGE 42.0 Ac.
OIL & GAS ROYALTY OWNER Diana Woodburn Samson LEASE ACREAGE 42.0 Ac.
LEASE NO. See above

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 Marcellus ESTIMATED DEPTH TVD = 7,075'; TMD = 15,089'
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

LONGITUDE 80-45-00 W Bottom Hole 5,631' Top Hole 11,721' LONGITUDE 80-45-00 W

form wv8

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

ADJOINING OWNERS TABLE			
TRACT	SURFACE OWNER	TAX PARCEL	Acres
S1 A	DIANA WOODBURN SAMSON	05-06-19	42
S2 B	ANDREA S AKERS	05-06-14	60
S3 C	RONALD E THOMPSON & JANET R THOMPSON	05-06-17	26.36
S4 D	EDDIE RAYBURN	05-06-16	15.82
S5 E	EDGAR RONALD MCHENRY TRUST	05-06-15	15.81
S6 F	DIANA WOODBURN SAMSON	05-02-24	70.01
S7 G	RICHARD D THOMASELLI & BARBARA THOMASELLI	05-02-14	29
S8 H	KENNETH JONES	05-02-12	93
S9	JOHN E RUSH	05-02-13	8.88
S10	JOHN E RUSH	05-02-13.1	23.56
S11	WANDA PARR	05-02-10	104.75
S12	THOMAS FERRELL & TIMOTHY THOMAS, JAMES D DOAK	05-02-11	31
S13	INEZ C BAILEY & JIMMIE L BAILEY	p/o 05-02-12	1.0
S14	MYRTLE E. HANNEN	05-02-27	98.86
S15	BIG RUN PROPERTIES LLC	05-02-31	11.5
S16	DWIGHT LEMASTERS ET AL	05-02-25	29
S17	DWIGHT LEMASTERS ET AL	05-02-26	87.06
S18	JAY-BEE OIL & GAS INC	05-07-1.1	88.60
S19	RONALD E THOMPSON & JANET R THOMPSON	05-07-02	17.5
S20	ARTHUR THOMAS BLOOM & LOIS JEAN BLOOM	05-06-18	59.76
S21	DIANA WOODBURN SAMSON	05-06-20	85
S22	CURTIS TYRONE TALLMAN & SARAH MICHELLE TALLMAN	05-06-13	76.85
S23	GARY L ROBERTS & BEVERLY C PYLES	05-06-12	74.75
S24	RICHARD D THOMASELLI & BARBARA THOMASELLI	05-02-23	100.27
S25	RICHARD D THOMASELLI & BARBARA THOMASELLI	05-02-22	107.5



P.S. 708

David L Jackson

47-015-02750



Jay Bee
 Oil & Gas
DRILLING
 into the future

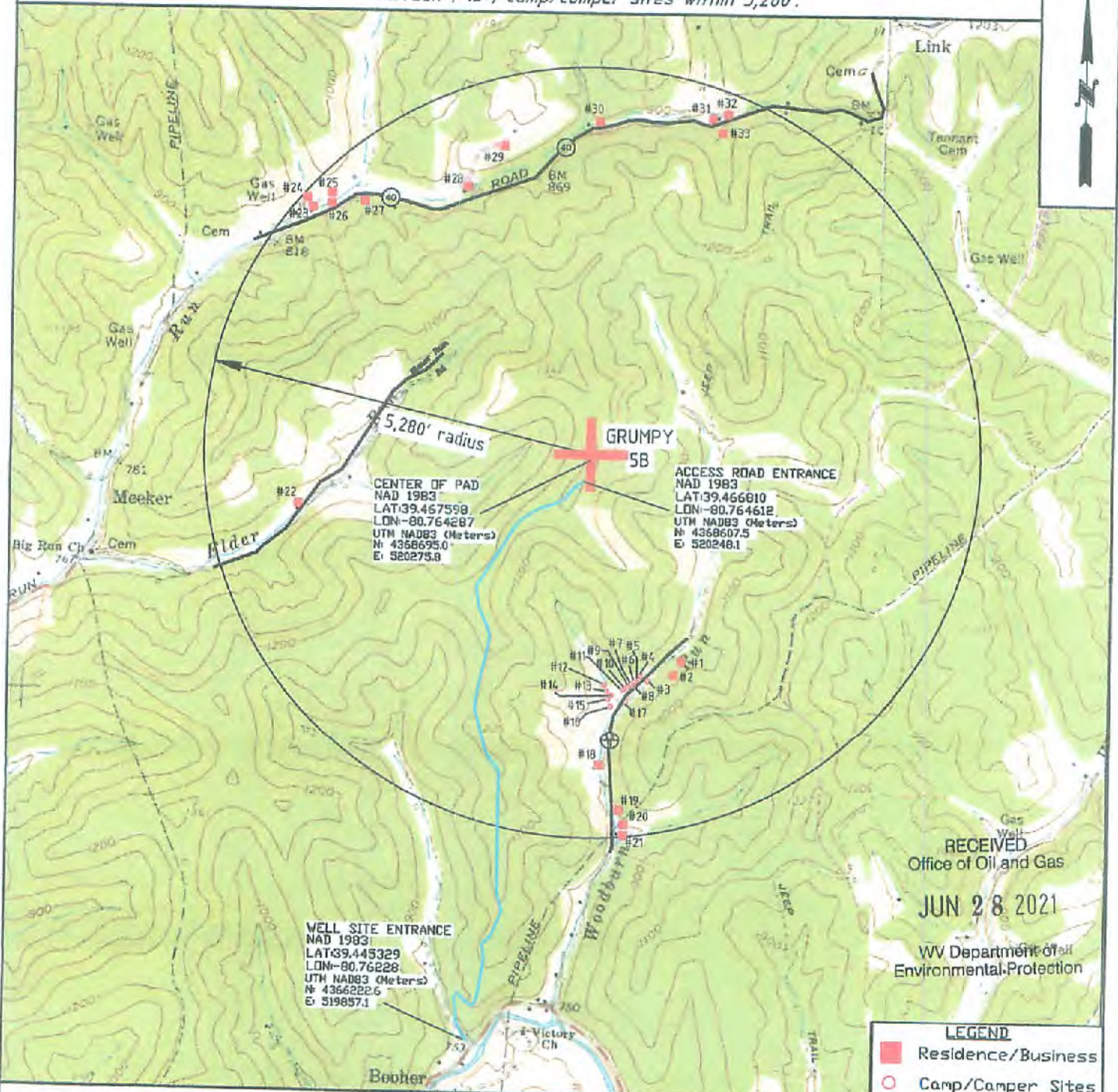
OPERATOR'S
 WELL #: GRUMPY 5B
 DISTRICT: MCELROY
 COUNTY: TYLER
 STATE: WV

WELL PLAT
 PAGE 2 OF 2
 DATE: 04/16/2021

PROPOSED GRUMPY 5B

EXHIBIT 2

There appears to be Seventeen (17) residences, One (1) business, & Fifteen (15) camp/camper sites within 5,280'.



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Jay Bee
Oil & Gas
DRILLING
into the future

OPERATOR	TOPO SECTION	WELL NAME
JAYBEE OIL & GAS INC. 3570 Shields Hill Rd. Cairo, WV 26337	SHIRLEY 7.5'	GRUMPY 5B
	SCALE: 1" = 2000'	DATE: DATE: 06-08-2021

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				

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**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: Kim Swiger

Its: Permitting Agent

Grumpy 5B Exhibit to WW 6A1					
<u>District</u> <u>Tax Map/Parcel</u>	<u>Lease #</u>	<u>Lessor, Grantor, etc.</u>	<u>Lessee, Grantee, etc.</u>	<u>Royalty</u>	<u>Deed Book/Page</u>
05-06-19	T1-18	Justus Spencer	Antero Resources Appalachian Corporation Jay-Bee Exploration I, LLC	≥12.5% Assignment	385/177 417/523
05-06-19	T1-18	Clyde A. & Deborah K. Brookover	Antero Resources Appalachian Corporation Jay-Bee Exploration I, LLC	≥12.5% Assignment	385/180 417/523
05-06-19	T1-18	Barbara A. Malcomb	Antero Resources Appalachian Corporation Jay-Bee Exploration I, LLC	≥12.5% Assignment	385/186 417/523
05-06-19	T1-18	Barbara S. & Jack W. Kirsch	Antero Resources Appalachian Corporation Jay-Bee Exploration I, LLC	≥12.5% Assignment	385/183 417/523
05-06-19	T1-18	Pugh Petroleum, LLC	Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation Antero Resources Appalachian Corporation Jay-Bee Exploration I, LLC	≥12.5% ≥12.5% ≥12.5% ≥12.5% Assignment	385/177 385/180 385/183 385/186 417/523
05-06-19	T1-18	Stat Oil	BRC Working Interest Company LLC Jay-Bee Exploration I, LLC	≥12.5% Assignment	369/300 Pending
05-06-19	T1-18	Special Commissioner Civil Action 14-C-1K	Jay-Bee Royalty, LLC	Own	448/457
05-06-19	T1-18	Lora G. Thomas, Clerk of the County Commission of Tyler County, WV	Jay-Bee Production Company	Own	365/366
05-06-14	T3042	Michael Glenn Bobinger	Antero Resources Appalachian Corporation Jay-Bee Exploration I, LLC	>12.5% Assignment	442/493 478/196
05-06-14	T3042	Joseph A. LeGrow	Antero Resources Appalachian Corporation Jay-Bee Exploration I, LLC	>12.5% Assignment	442/493 478/196
05-06-14	T3042	Amanda L. Cock	Antero Resources Appalachian Corporation Jay-Bee Exploration I, LLC	>12.5% Assignment	442/493 478/196
05-06-14	T3042	LeNeta Bobinger	Antero Resources Appalachian Corporation Jay-Bee Exploration I, LLC	>12.5% Assignment	442/493 478/196

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05-06-14	T3042	Diana Woodburn Samson	Antero Resources Appalachian Corporation Jay-Bee Exploration I, LLC	>12.5% Assignment	442/493 478/196
05-06-14	T3042	Golden Eagle Resources purchased interest of Haught Family Trust	Antero Resources Appalachian Corporation Jay-Bee Exploration I, LLC	>12.5% Assignment	392/69 417/523
05-06-14	T3042	Chesapeake Appalachia, LLC	SWN Production Company, LLC Jay-Bee Exploration I, LLC	>12.5% Assignment	465/487 Pending
05-06-14	T3042	Statoil USA Onshore Properties, Inc.	Jay-Bee Exploration I, LLC	>12.5%	Pending
05-06-po 17	T3042A1B	Timothy Ferrell	JB Exploration I, LLC	≥12.5%	473/99
05-06-po 17	T3042A1B	Thomas Ferrell	JB Exploration I, LLC	≥12.5%	463/786
05-06-po 17	T3042A1B	Craig F. Bessinger	JB Exploration I, LLC	≥12.5%	544/453
05-06-po 17	T3042A1B	Darla Dennis	JB Exploration I, LLC	≥12.5%	410/464
05-06-po 17	T3042A1B	Carla Thomas	JB Exploration I, LLC	≥12.5%	410/460
05-06-po 17	T3042A1B	John Lambert Ice	JB Exploration I, LLC	≥12.5%	411/746
05-06-po 17	T3042A1B	William H. & Joclare Eastham	PetroEdge JB Exploration I, LLC	>12.5% Assignment	391/725 512/387
05-06-po 17	T3042A1B	The Thelma Sine Trust	PetroEdge JB Exploration I, LLC	>12.5% Assignment	394/146 512/387
05-06-po 17	T3042A1B	Hazel Rayburn	PetroEdge JB Exploration I, LLC	>12.5% Assignment	394/154 512/387
05-06-po 17	T3042A1B	Hentzel Lemasters	PetroEdge JB Exploration I, LLC	>12.5% Assignment	394/233 Pending
05-06-po 17	T3042A1B	Edgar Ronald McHenry	PetroEdge JB Exploration I, LLC	>12.5% Assignment	396/839 512/387
05-06-po 17	T3042A1B	Gary Lemasters	PetroEdge JB Exploration I, LLC	>12.5% Assignment	396/833 512/387
05-06-po 17	T3042A1B	Gene Amos	PetroEdge JB Exploration I, LLC	>12.5% Assignment	399/556 512/387
05-06-po 17	T3042A1B	Hannah Jane Dotson Boord	PetroEdge JB Exploration I, LLC	>12.5% Assignment	396/796 512/387
05-06-po 17	T3042A1B	JoAnn Bailey	PetroEdge JB Exploration I, LLC	>12.5% Assignment	396/830 512/387
05-06-po 17	T3042A1B	Lemon Jackson Dotson	PetroEdge JB Exploration I, LLC	>12.5% Assignment	396/836 512/387
05-06-po 17	T3042A1B	Myrtle E. Martin	PetroEdge JB Exploration I, LLC	>12.5% Assignment	396/846 512/387

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05-06-16	T3042A1A	Darla Thomas Dennis	JB Exploration I, LLC	>12.5%	410/464
05-06-16	T3042A1A	Carla C. Thomas	JB Exploration I, LLC	>12.5%	410/460
05-06-16	T3042A1A	John Lambert Ice	JB Exploration I, LLC	>12.5%	411/746
05-06-16	T3042A1A	Thomas Ferrell	JB Exploration I, LLC	>12.5%	463/786
05-06-16	T3042A1A	Timothy Ferrell	JB Exploration I, LLC	>12.5%	473/99
05-06-16	T3042A1A	William H. & Joclare Eastham	PetroEdge JB Exploration I, LLC	>12.5% Assignment	391/725 512/387
05-06-16	T3042A1A	The Thelma Sine Trust	PetroEdge JB Exploration I, LLC	>12.5% Assignment	394/146 512/387
05-06-16	T3042A1A	Harry Ice Kennedy	PetroEdge JB Exploration I, LLC	>12.5% Assignment	411/171 512/387
05-06-16	T3042A1A	Hazel Rayburn	PetroEdge JB Exploration I, LLC	>12.5% Assignment	394/154 512/387
05-06-16	T3042A1A	Hentzel Lemasters	PetroEdge JB Exploration I, LLC	>12.5% Assignment	394/233 Pending
05-06-16	T3042A1A	Edgar Ronald McHenry	PetroEdge JB Exploration I, LLC	>12.5% Assignment	396/839 512/387
05-06-16	T3042A1A	Myrtle E. Martin	PetroEdge JB Exploration I, LLC	>12.5% Assignment	396/846 512/387
05-06-16	T3042A1A	Lemon Jackson Dotson	PetroEdge JB Exploration I, LLC	>12.5% Assignment	396/836 512/387
05-06-16	T3042A1A	JoAnn Bailey	PetroEdge JB Exploration I, LLC	>12.5% Assignment	396/830 512/387
05-06-16	T3042A1A	Hannah Jane Dotson Boord	PetroEdge JB Exploration I, LLC	>12.5% Assignment	396/796 512/387
05-06-16	T3042A1A	Gary Lemasters	PetroEdge JB Exploration I, LLC	>12.5% Assignment	396/833 512/387
05-06-16	T3042A1A	Gene Amos	PetroEdge JB Exploration I, LLC	>12.5% Assignment	399/556 512/387
05-06-15	T3042A3	Darla Thomas Dennis	JB Exploration I, LLC	>12.5%	410/464
05-06-15	T3042A3	Carla C. Thomas	JB Exploration I, LLC	>12.5%	410/460
05-06-15	T3042A3	John Lambert Ice	JB Exploration I, LLC	>12.5%	411/746
05-06-15	T3042A3	Thomas Ferrell	JB Exploration I, LLC	>12.5%	463/786
05-06-15	T3042A3	Timothy Ferrell	JB Exploration I, LLC	>12.5%	473/99
05-06-15	T3042A3	William H. & Joclare Eastham	PetroEdge JB Exploration I, LLC	>12.5% Assignment	391/725 512/387

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05-06-15	T3042A3	The Thelma Sine Trust	PetroEdge JB Exploration I, LLC	>12.5% Assignment	394/146 512/387
05-06-15	T3042A3	Harry Ice Kennedy	PetroEdge JB Exploration I, LLC	>12.5% Assignment	411/171 512/387
05-06-15	T3042A3	Hazel Rayburn	PetroEdge JB Exploration I, LLC	>12.5% Assignment	394/154 512/387
05-06-15	T3042A3	Hentzel Lemasters	PetroEdge JB Exploration I, LLC	>12.5% Assignment	394/233 Pending
05-06-15	T3042A3	Edgar Ronald McHenry	PetroEdge JB Exploration I, LLC	>12.5% Assignment	396/839 512/387
05-06-15	T3042A3	Myrtle E. Martin	PetroEdge JB Exploration I, LLC	>12.5% Assignment	396/846 512/387
05-06-15	T3042A3	Lemon Jackson Dotson	PetroEdge JB Exploration I, LLC	>12.5% Assignment	396/836 512/387
05-06-15	T3042A3	JoAnn Bailey	PetroEdge JB Exploration I, LLC	>12.5% Assignment	396/830 512/387
05-06-15	T3042A3	Hannah Jane Dotson Boord	PetroEdge JB Exploration I, LLC	>12.5% Assignment	396/796 512/387
05-06-15	T3042A3	Gary Lemasters	PetroEdge JB Exploration I, LLC	>12.5% Assignment	396/833 512/387
05-02-24	T3095A	Gene Amos	PetroEdge JB Exploration I, LLC	>12.5% Assignment	399/556 512/387
05-02-24	T3095A	Tim Woodburn	Antero Resources Appalachian Corporation Jay-Bee Exploration I, LLC	>12.5% Assignment	403/441 417/523
05-02-24	T3095A	Patrick Woodburn	Antero Resources Appalachian Corporation Jay-Bee Exploration I, LLC	>12.5% Assignment	403/443 417/523
05-02-24	T3095B	Thomas Woodburn	Antero Resources Appalachian Corporation Jay-Bee Exploration I, LLC	>12.5% Assignment	395/610 417/523
05-02-24	T3095B	Tim Woodburn	Antero Resources Appalachian Corporation Jay-Bee Exploration I, LLC	>12.5% Assignment	403/441 417/523
05-02-24	T3095B	Patrick Woodburn	Antero Resources Appalachian Corporation Jay-Bee Exploration I, LLC	>12.5% Assignment	403/443 417/523
05-02-14	T3088	Richard D. & Barbara A. Thom	Drilling Appalachian Corporation JB Exploration I, LLC	>12.5% Assignment	399/279 429/242

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05-02-po 12	T3087A	Vonna Maffei	JB Exploration I, LLC	≥12.5%	393/405
05-02-po 12	T3087A	Cynthia K. Kuhns Fiorentini	PetroEdge JB Exploration I, LLC	>12.5% Assignment	404/464 Pending
05-02-po 12	T3087A	Dwight D. Lemasters	PetroEdge JB Exploration I, LLC	>12.5% Assignment	404/807 Pending
05-02-po 12	T3087A	April Wise	PetroEdge JB Exploration I, LLC	>12.5% Assignment	404/462 Pending
05-02-po 12	T3087A	Douglas Lemasters	PetroEdge JB Exploration I, LLC	>12.5% Assignment	409/405 Pending
05-02-po 12	T3087A	Lorrie A. Lemasters Strodbeck	Drilling Appalachian Corporation JB Exploration I, LLC	>12.5% Assignment	429/240 429/242
05-02-po 12	T3087A	Kenneth Jones	Drilling Appalachian Corporation JB Exploration I, LLC	>12.5% Assignment	399/268 429/242
05-02-po 12	T3087A1	Dana Gilligan	JB Exploration I, LLC	≥12.5%	550/592
05-02-po 12	T3087A1	Julia S. Brochetti	JB Exploration I, LLC	≥12.5%	549/533
05-02-po 12	T3087A1	Vonna Maffei	JB Exploration I, LLC	≥12.5%	393/405
05-02-po 12	T3087A1	Douglas Lemasters	PetroEdge JB Exploration I, LLC	>12.5% Assignment	409/405 Pending
05-02-po 12	T3087A1	Dwight D. Lemasters	PetroEdge JB Exploration I, LLC	>12.5% Assignment	404/807 Pending
05-02-po 12	T3087A1	Lorrie A. Lemasters Strodbeck	PetroEdge JB Exploration I, LLC	>12.5% Assignment	404/804 Pending
05-02-po 12	T3087A1	April Wise	PetroEdge JB Exploration I, LLC	>12.5% Assignment	404/462 Pending
05-02-po 12	T3087A1	Cynthia K. Kuhns Fiorentini	PetroEdge JB Exploration I, LLC	>12.5% Assignment	404/464 Pending
05-02-po 12	T3087B	David C. White, Speical Commissioner of Tyler County, West Virginia	Jay-Bee Royalty, LLC	Own	544/5
05-02-po 12	T3087B	Jay-Bee Royalty, LLC	JB Exploration I, LLC	Own	460/107
05-02-po 12	T3087B	Interest of Carrie Sue Hableton	Jay-Bee Royalty, LLC	Own	447/730
05-02-po 12	T3087B	Interest of Denver Lee Woodburn	Jay-Bee Royalty, LLC	Own	443/476
05-02-po 12	T3087B	Interest of Sharon Diana McConnell	Jay-Bee Royalty, LLC	Own	461/180
05-02-po 12	T3087B	Interest of Robert Lee Woodburn	Jay-Bee Royalty, LLC	Own	434/632
05-02-po 12	T3087B	Vonna Maffei	JB Exploration I, LLC	≥12.5%	393/405
05-02-po 12	T3087B	Michael Beck	JB Exploration I, LLC	≥12.5%	434/841
05-02-po 12	T3087B	Mary Elizabeth Billiter	JB Exploration I, LLC	≥12.5%	434/644

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05-02-po 12	T3087B	Vickie Jo Tennant Brewer	JB Exploration I, LLC	≥12.5%	464/20
05-02-po 12	T3087B	David W. Briscoe	JB Exploration I, LLC	≥12.5%	443/235
05-02-po 12	T3087B	Janet Burns	JB Exploration I, LLC	≥12.5%	435/535
05-02-po 12	T3087B	Julianne Henry Clifton	JB Exploration I, LLC	≥12.5%	434/4
05-02-po 12	T3087B	Samuel W. Clifton	JB Exploration I, LLC	≥12.5%	434/7
05-02-po 12	T3087B	Donald Ray Collins	JB Exploration I, LLC	≥12.5%	410/333
05-02-po 12	T3087B	Sally Conjeski	JB Exploration I, LLC	≥12.5%	459/633
05-02-po 12	T3087B	Robert & Florence Copestick	JB Exploration I, LLC	≥12.5%	450/509
05-02-po 12	T3087B	James Wayne Cozart	JB Exploration I, LLC	≥12.5%	459/636
05-02-po 12	T3087B	Joyce Lynn DeGarmo	JB Exploration I, LLC	≥12.5%	459/517
05-02-po 12	T3087B	Linda Burnworth Dickey	JB Exploration I, LLC	≥12.5%	460/65
05-02-po 12	T3087B	Dreva Early	JB Exploration I, LLC	≥12.5%	532/648
05-02-po 12	T3087B	Amy Fields	JB Exploration I, LLC	≥12.5%	399/277
05-02-po 12	T3087B	Michelle Giroux	JB Exploration I, LLC	≥12.5%	443/375
05-02-po 12	T3087B	Glen Robert Glendenning	JB Exploration I, LLC	≥12.5%	541/741
05-02-po 12	T3087B	Donna R. Gregory	JB Exploration I, LLC	≥12.5%	460/71
05-02-po 12	T3087B	Sarah Kay Hambleton	JB Exploration I, LLC	≥12.5%	434/87
05-02-po 12	T3087B	Sylvia "Sue" Hoffman	JB Exploration I, LLC	≥12.5%	459/526
05-02-po 12	T3087B	Edward J. Kaczmarczyk	JB Exploration I, LLC	≥12.5%	459/532
05-02-po 12	T3087B	Betty Sue Keatts	JB Exploration I, LLC	≥12.5%	434/99
05-02-po 12	T3087B	Virginia Knopp	JB Exploration I, LLC	≥12.5%	443/171
05-02-po 12	T3087B	Neil L. Maxson	JB Exploration I, LLC	≥12.5%	453/273
05-02-po 12	T3087B	Howard Lewis McAbee	JB Exploration I, LLC	≥12.5%	464/26
05-02-po 12	T3087B	George W. McAbee, Jr.	JB Exploration I, LLC	≥12.5%	528/594
05-02-po 12	T3087B	Sandra L. Merashoff	JB Exploration I, LLC	≥12.5%	463/833
05-02-po 12	T3087B	Frances K. Miller	JB Exploration I, LLC	≥12.5%	532/642
05-02-po 12	T3087B	Sherrie L. Minor	JB Exploration I, LLC	≥12.5%	457/327
05-02-po 12	T3087B	Brenda Moore	JB Exploration I, LLC	≥12.5%	443/357
05-02-po 12	T3087B	Danny Joe Murner	JB Exploration I, LLC	≥12.5%	459/574
05-02-po 12	T3087B	Donna Rae Tennant Palma	JB Exploration I, LLC	≥12.5%	541/744
05-02-po 12	T3087B	George T. Petrekovich	JB Exploration I, LLC	≥12.5%	453/294
05-02-po 12	T3087B	Nancy Lou Pidutti	JB Exploration I, LLC	≥12.5%	434/118
05-02-po 12	T3087B	William P. Pierson	JB Exploration I, LLC	≥12.5%	460/74
05-02-po 12	T3087B	Mary Postlethwait	JB Exploration I, LLC	≥12.5%	474/522
05-02-po 12	T3087B	Judith Ann Reineke	JB Exploration I, LLC	≥12.5%	464/23
05-02-po 12	T3087B	Dianna K. Rodler	JB Exploration I, LLC	≥12.5%	431/681

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05-02-po 12	T3087B	Mary Shepherd	JB Exploration I, LLC	≥12.5%	536/206
05-02-po 12	T3087B	Eva Stackpole	JB Exploration I, LLC	≥12.5%	536/206
05-02-po 12	T3087B	Barbara Ann Staley	JB Exploration I, LLC	≥12.5%	459/565
05-02-po 12	T3087B	Sam Stavischek	JB Exploration I, LLC	≥12.5%	405/553
05-02-po 12	T3087B	Ann E. Stockwell	JB Exploration I, LLC	≥12.5%	453/309
05-02-po 12	T3087B	Jerry D. Tennant	JB Exploration I, LLC	≥12.5%	460/98
05-02-po 12	T3087B	Lillian R. Tennant	JB Exploration I, LLC	≥12.5%	459/571
05-02-po 12	T3087B	Martha L. Tennant	JB Exploration I, LLC	≥12.5%	460/101
05-02-po 12	T3087B	William Douglas Tennant	JB Exploration I, LLC	≥12.5%	464/47
05-02-po 12	T3087B	Bryan David Tennant	JB Exploration I, LLC	≥12.5%	464/32
05-02-po 12	T3087B	Helen Marie Titus	JB Exploration I, LLC	≥12.5%	443/135
05-02-po 12	T3087B	Betty Dianne Toomey	JB Exploration I, LLC	≥12.5%	443/731
05-02-po 12	T3087B	Mary Gwen Tustin	JB Exploration I, LLC	≥12.5%	460/92
05-02-po 12	T3087B	Paul E. Tustin	JB Exploration I, LLC	≥12.5%	461/163
05-02-po 12	T3087B	Lorna Vugrinovich	JB Exploration I, LLC	≥12.5%	460/95
05-02-po 12	T3087B	Orval Elden Wetzal	JB Exploration I, LLC	≥12.5%	460/89
05-02-po 12	T3087B	James F. Wetzal	JB Exploration I, LLC	≥12.5%	463/797
05-02-po 12	T3087B	Audrey Wharton	JB Exploration I, LLC	≥12.5%	450/650
05-02-po 12	T3087B	Larry Jack Woodburn	JB Exploration I, LLC	≥12.5%	433/820
05-02-po 12	T3087B	Benny Brooks Woodburn	JB Exploration I, LLC	≥12.5%	439/187
05-02-po 12	T3087B	Samuel Laine Woodburn	JB Exploration I, LLC	≥12.5%	443/150
05-02-po 12	T3087B	Tracy Dean Woodburn	JB Exploration I, LLC	≥12.5%	443/429
05-02-po 12	T3087B	Susie Lynn Woodburn	JB Exploration I, LLC	≥12.5%	460/104
05-02-po 12	T3087B	Richard Wright, Sr.	JB Exploration I, LLC	≥12.5%	532/645
05-02-po 12	T3087B	George Woodburn	Antero Resources Appalachian Corporation Jay-Bee Exploration I, LLC	≥12.5% Assignment	504/834 528/644
05-02-po 12	T3087B	Emmanuel Baptist Church of New Martinsville	Drilling Appalachian Corporation JB Exploration I, LLC	≥12.5% Assignment	401/299 429/242
05-02-po 12	T3087B	Kassie A. Williams	Drilling Appalachian Corporation JB Exploration I, LLC	≥12.5% Assignment	399/275 429/242
05-02-po 12	T3087B	Rebecca L. Williams	Drilling Appalachian Corporation JB Exploration I, LLC	≥12.5% Assignment	405/551 429/252
05-02-po 12	T3087B	Stanley Thompson	Drilling Appalachian Corporation JB Exploration I, LLC	≥12.5% Assignment	399/271 429/242

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05-02-po 12	T3087B	Keith W. & Dorothy J. Starkey	Drilling Appalachian Corporation JB Exploration I, LLC	>12.5% Assignment	405/553 429/242
05-02-po 12	T3087B	Scott D. Shroyer	Drilling Appalachian Corporation JB Exploration I, LLC	>12.5% Assignment	420/597 429/242
05-02-po 12	T3087B	Steven Andrew Shroyer	Drilling Appalachian Corporation JB Exploration I, LLC	>12.5% Assignment	422/564 420/597 420/593 429/242
05-02-po 12	T3087B	Kenneth Jones	Drilling Appalachian Corporation JB Exploration I, LLC	>12.5% Assignment	399/268 429/242
05-02-po 12	T3087B	Gene Amos	Drilling Appalachian Corporation JB Exploration I, LLC	>12.5% Assignment	401/293 429/242
05-02-po 12	T3087B	JoAnn Bailey	Drilling Appalachian Corporation JB Exploration I, LLC	>12.5% Assignment	401/295 429/242
05-02-po 12	T3087B	Norman D. Bailey	Drilling Appalachian Corporation JB Exploration I, LLC	>12.5% Assignment	401/768 429/242
05-02-po 12	T3087B	Gordon R. Bailey	Drilling Appalachian Corporation JB Exploration I, LLC	>12.5% Assignment	401/291 429/242
05-02-po 12	T3087B	Charles W. Headley	Drilling Appalachian Corporation JB Exploration I, LLC	>12.5% Assignment	401/291 429/242
05-02-po 12	T3087B	James L. Headley	Drilling Appalachian Corporation JB Exploration I, LLC	>12.5% Assignment	420/589 429/242
05-02-po 12	T3087B	Thomas & Debra Headley	Drilling Appalachian Corporation JB Exploration I, LLC	>12.5% Assignment	420/587 429/242
05-02-po 12	T3087B	Gladys Headley	Drilling Appalachian Corporation JB Exploration I, LLC	>12.5% Assignment	420/591 429/242
05-02-po 12	T3087B	Daniel Headley	Drilling Appalachian Corporation JB Exploration I, LLC	>12.5% Assignment	422/566 429/242
05-02-po 12	T3087B	Venita Jeanne Howe	Drilling Appalachian Corporation JB Exploration I, LLC	>12.5% Assignment	399/273 429/242
05-02-po 12	T3087B	Kenneth Jones	Drilling Appalachian Corporation JB Exploration I, LLC	>12.5% Assignment	399/268 429/242
05-02-po 12	T3087B	Cynthia K. Kuhns Fiorentini	PetroEdge JB Exploration I, LLC	>12.5% Assignment	404/464 Pending
05-02-po 12	T3087B	Douglas Lemasters	PetroEdge JB Exploration I, LLC	>12.5% Assignment	409/405 Pending

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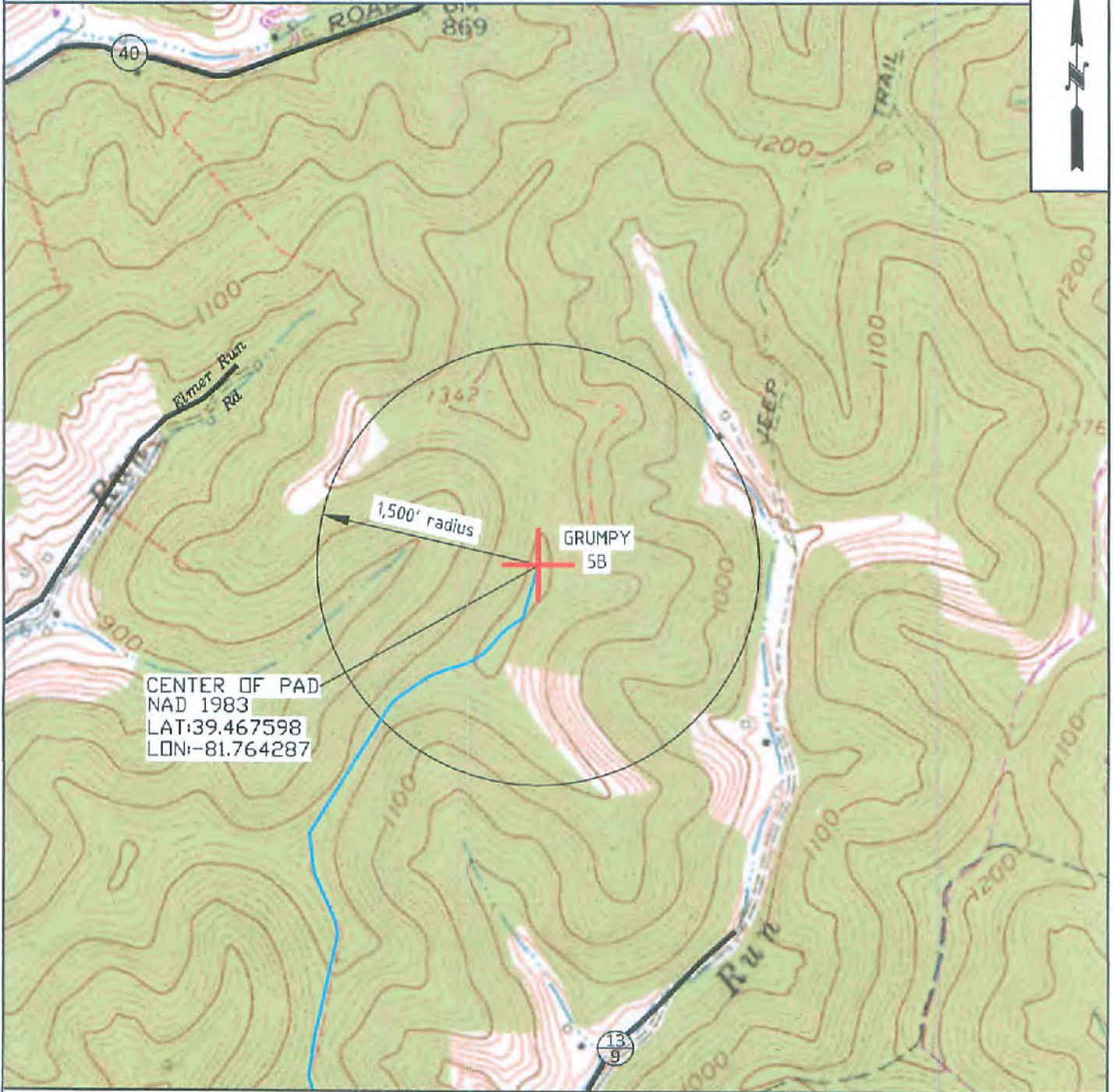
05-02-po 12	T3087B	Dwight D. Lemasters	PetroEdge JB Exploration I, LLC	>12.5% Assignment	404/807 Pending
05-02-po 12	T3087B	Lorrie A. Lemasters Strodbeck	PetroEdge JB Exploration I, LLC	>12.5% Assignment	404/804 Pending
05-02-po 12	T3087B	April Wise	PetroEdge JB Exploration I, LLC	>12.5% Assignment	404/462 Pending
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PROPOSED GRUMPY 5B

EXHIBIT 3

There appears to be Zero (0) residences within 1,500'.



 <p>Jay Bee Oil & Gas DRILLING into the future</p>	OPERATOR	TOPO SECTION	WELL NAME
	JAYBEE OIL & GAS INC. 3570 Shields Hill Rd. Cairo, WV 26337	SHIRLEY 7.5'	GRUMPY 5B
		SCALE: 1" = 1000'	DATE: 06-08-2021

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Jay Bee Oil & Gas, Inc.
3570 Shields Hill Road
Cairo, WV 26337

June 18, 2021

Permitting Office
Office of Oil and Gas
WV Department of Environmental Protection
601 57th Street SE
Charleston, WV 25304

Re: Grumpy 5B Well

To Whom It May Concern:

As you know we have applied for a well permit for Grumpy 5B in Tyler County, West Virginia. This pad is located on what we call the T1-18 tract. Our well leg runs beneath Woodburn Run (CR 13/9).

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 Tyler 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 interest holders necessary to proceed with drilling on this tract after the permit is issued.

Should you have any questions, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Kim Swiger".

Kim Swiger
Permitting Agent

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 Grumpy 5A well (API No(s). to be determined), on Form WW-6A1.
4. We certify that we are authorized by the owner of the working interest in the well to state that it shall tender to the owner of the oil or gas in place not less than one eighth of the total amount paid to or received by or allowed to the owner of the working interest at the wellhead for the oil or gas so extracted, produced or marketed before deducting the amount to be paid to or set aside for the owner of the oil or gas in place, on all such oil or gas to be extracted, produced or marketed from the well.
5. We certify under the penalty of law that we have personally examined and are familiar with the information contained and referenced herein and that, based on our inquiries of those individuals immediately responsible for obtaining the information, we believe that the information is true, accurate, and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

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Further, affiant sayeth naught.

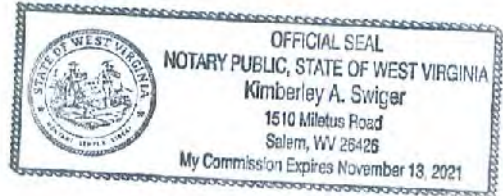
[Signature]
Randy Broda, President of Jay-Bee Oil & Gas, Inc.

Taken, subscribed and sworn to before me, the undersigned Notary Public, this 18th day of JUNE, 2021 by Randy Broda, President of Jay-Bee Oil & Gas, Inc., on behalf of the corporation.

My commission expires: Nov. 13, 2021

Kimberley A. Swiger
NOTARY PUBLIC

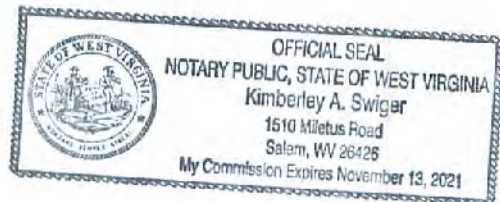
[Signature]
Randy Broda, Managing Member of Jay-Bee Royalty, LLC



Taken, subscribed and sworn to before me, the undersigned Notary Public, this 18th day of JUNE, 2021 by Randy Broda, Managing Member of Jay-Bee Royalty, LLC, on behalf of the company.

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W.Va. CODE §§22-6-8 & 22-6A-5(a)(5)

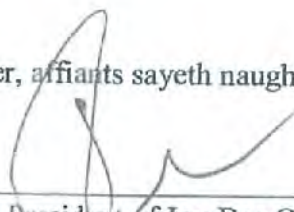
STATE OF WEST VIRGINIA

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 Grumpy 5A 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.

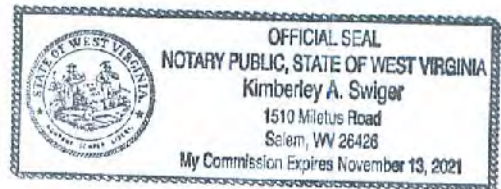
Taken, subscribed and sworn to before me, the undersigned Notary Public, this 18th day of JUNE, 2021 by Randy Broda, President of Jay-Bee Oil & Gas, Inc., on behalf of the corporation.

My commission expires: NOV. 13, 2021



Randy Broda, President of Jay-Bee Production Company

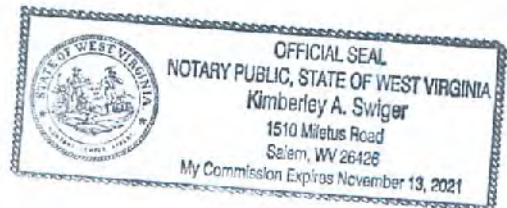
Kimberley A. Swiger
NOTARY PUBLIC



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My commission expires: NOV. 13, 2021

Kimberley A. Swiger
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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 JB Exploration I, 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 JB Exploration, 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 JB Exploration, 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 Grumpy 5A well (API No(s). to be determined), on Form WW-6A1.
4. We certify that we are authorized by the owner of the working interest in the well to state that it shall tender to the owner of the oil or gas in place not less than one eighth of the total amount paid to or received by or allowed to the owner of the working interest at the wellhead for the oil or gas so extracted, produced or marketed before deducting the amount to be paid to or set aside for the owner of the oil or gas in place, on all such oil or gas to be extracted, produced or marketed from the well.
5. We certify under the penalty of law that we have personally examined and are familiar with the information contained and referenced herein and that, based on our inquiries of those individuals immediately responsible for obtaining the information, we believe that the information is true, accurate, and complete. We are aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

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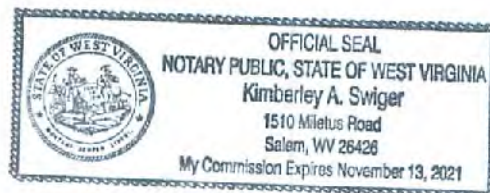
[Signature]
Randy Broda, President of Jay-Bee Oil & Gas, Inc.

Taken, subscribed and sworn to before me, the undersigned Notary Public, this 18th day of June, 2021 by Randy Broda, President of Jay-Bee Oil & Gas, Inc., on behalf of the corporation.

My commission expires: Nov. 13, 2021

Kimberley A. Swiger
NOTARY PUBLIC

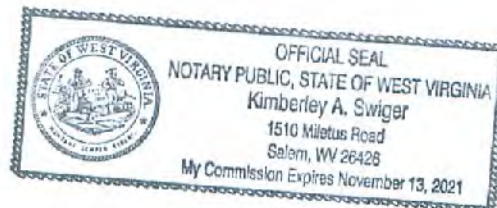
[Signature]
Randy Broda, Managing Member of JB Exploration I, LLC



Taken, subscribed and sworn to before me, the undersigned Notary Public, this 18th day of June, 2021 by Randy Broda, Managing Member of JB Exploration I, LLC, on behalf of the company.

My commission expires: Nov. 13, 2021

Kimberley A. Swiger
NOTARY PUBLIC



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

Date of Notice Certification: 08/22/2021

API No. 47- 095 - _____
Operator's Well No. Grumpy 5B
Well Pad Name: Grumpy

Notice has been given:

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

State: <u>West Virginia</u>	UTM NAD 83	Easting: <u>520,583.53</u>
County: <u>Tyler</u>		Northing: <u>4,268,706.42</u>
District: <u>McElroy</u>	Public Road Access: <u>Indian Creek</u>	
Quadrangle: <u>Shirley 7.5'</u>	Generally used farm name: <u>Diana Samson</u>	
Watershed: <u>Outlet Middle Island Creek</u>		

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

Pursuant to West Virginia Code § 22-6A, the Operator has attached proof to this Notice Certification that the Operator has properly served the required parties with the following: *PLEASE CHECK ALL THAT APPLY <input type="checkbox"/> 1. NOTICE OF SEISMIC ACTIVITY or <input checked="" type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NO SEISMIC ACTIVITY WAS CONDUCTED <input type="checkbox"/> 2. NOTICE OF ENTRY FOR PLAT SURVEY or <input checked="" type="checkbox"/> NO PLAT SURVEY WAS CONDUCTED <input checked="" type="checkbox"/> 3. NOTICE OF INTENT TO DRILL or <input type="checkbox"/> NOTICE NOT REQUIRED BECAUSE NOTICE OF ENTRY FOR PLAT SURVEY WAS CONDUCTED or <input type="checkbox"/> WRITTEN WAIVER BY SURFACE OWNER (PLEASE ATTACH) <input checked="" type="checkbox"/> 4. NOTICE OF PLANNED OPERATION <input checked="" type="checkbox"/> 5. PUBLIC NOTICE <input checked="" type="checkbox"/> 6. NOTICE OF APPLICATION		OOG OFFICE USE ONLY <input type="checkbox"/> RECEIVED/ NOT REQUIRED <input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED/ NOT REQUIRED <input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED <input type="checkbox"/> RECEIVED
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Required Attachments:

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

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Certification of Notice is hereby given:

THEREFORE, I Kim Swiger, 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>	Address:	<u>3570 Shields Hill Road</u>
By:	<u>Kim Swiger</u>		<u>Cairo, WV 26337</u>
Its:	<u>Permitting Agent</u>	Facsimile:	<u>304-628-3119</u>
Telephone:	<u>304-628-3111</u>	Email:	<u>kswiger@jaybeoil.com</u>



Subscribed and sworn before me this 22 day of June 2021.

Dan L. Shearer Notary Public

My Commission Expires 01/10/2022

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.

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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: 6/22/2021 **Date Permit Application Filed:** 6/22/2021

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: Diana Samson
Address: 8235 Holly Leaf Drive
Spring, TX 77379

Name: _____
Address: _____

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

Name: _____
Address: _____

Name: _____
Address: _____

SURFACE OWNER(s) (Impoundments or Pits)

Name: _____
Address: _____

COAL OWNER OR LESSEE

Name: _____
Address: _____

COAL OPERATOR

Name: _____
Address: _____

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

Name: N/A
Address: _____

OPERATOR OF ANY NATURAL GAS STORAGE FIELD

Name: _____
Address: _____

*Please attach additional forms if necessary

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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/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, 2005, 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

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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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WV Department of
Environmental Protection

Time Limits and Methods for Filing Comments.

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

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

Comment Requirements

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

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

Permit Denial or Condition

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

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

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

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

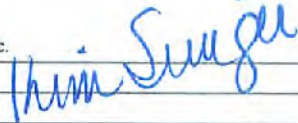
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WW-6A
(8-13)

API NO. 47-095 -
OPERATOR WELL NO. Grumpy 5B
Well Pad Name: Grumpy

Notice is hereby given by:

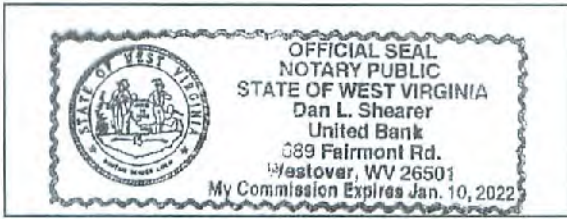
Well Operator: Jay-Bee Oil & Gas, Inc.
Telephone: 304-628-3111
Email: kswiger@jaybeoil.com



Address: 3570 Shields Hill 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 of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.



Subscribed and sworn before me this 22 day of June, 2021.

Dan L. Shearer Notary Public

My Commission Expires 01/10/2022

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PROPOSED GRUMPY 5B

Exhibit 1

page 1 of 3

DRAWING NOT TO SCALE

PAUL HUFF, MIKE HILLER SR.,
MIKE HILLER JR.,
NATHAN HILLER
82.83 ACRES
05-06-25

MIKE & KAREN
PSZCZOLKOWSKI
129.5 ACRES
05-06-35

JAY BEE OIL & GAS INC
8.0 ACRES
05-06-35.1

125' @ 7.6%

PREVAILING WIND

RANDY V. TUSTIN,
BRENDA L. TUSTIN,
TERRY HALL &
PATRICIA MATTHEWS
46.91 ACRES
05-11-6

FRANKLIN A. &
REBECCA B. CONNER
62.55 ACRES
05-06-24

T. DOTSON
62 ACRES
05-11-5

JILL H. HOOVER
73.36 ACRES
05-11-17

JANE ELIZABETH DOTSON
37 ACRES
05-11-5.1

DOTSON
D.B. 343/300
1 ACRE
05-11-5.2

JACKIEE STRAIGHT
D.B. 359/ 115
0.88 ACRES
05-11-15

LEGEND

- ⊙ Culvert
- BP Timber/Brush Pile
- TS Topsoil Stockpile
- Sediment and Erosion Control
- - - Proposed LOD
- - - Modified LOD
- Edge of Road
- Stream / Drain
- Field Fence
- Overhead Utility Line
- Gas Line
- Property Line



Jackson Surveying Inc.
2413E. Pike St. #18
Clerksburg, Wv 26301
Phone: 304-623-5887

TOPD SECTION:		OPERATOR:	
BENS RUN 7.5'		JAYBEE OIL & GAS INC.	
COUNTY	DISTRICT	PREPARED FOR:	
TYLER	MCELROY	3570 SHIELDS HILL RD. CAIRO, WV 26331	
DRAWN BY	PROJECT	DATE	SCALE
JDC	GRUMPY 5B	06-18-2021	NONE



Jay Bee
Oil & Gas

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JUN 28 2021

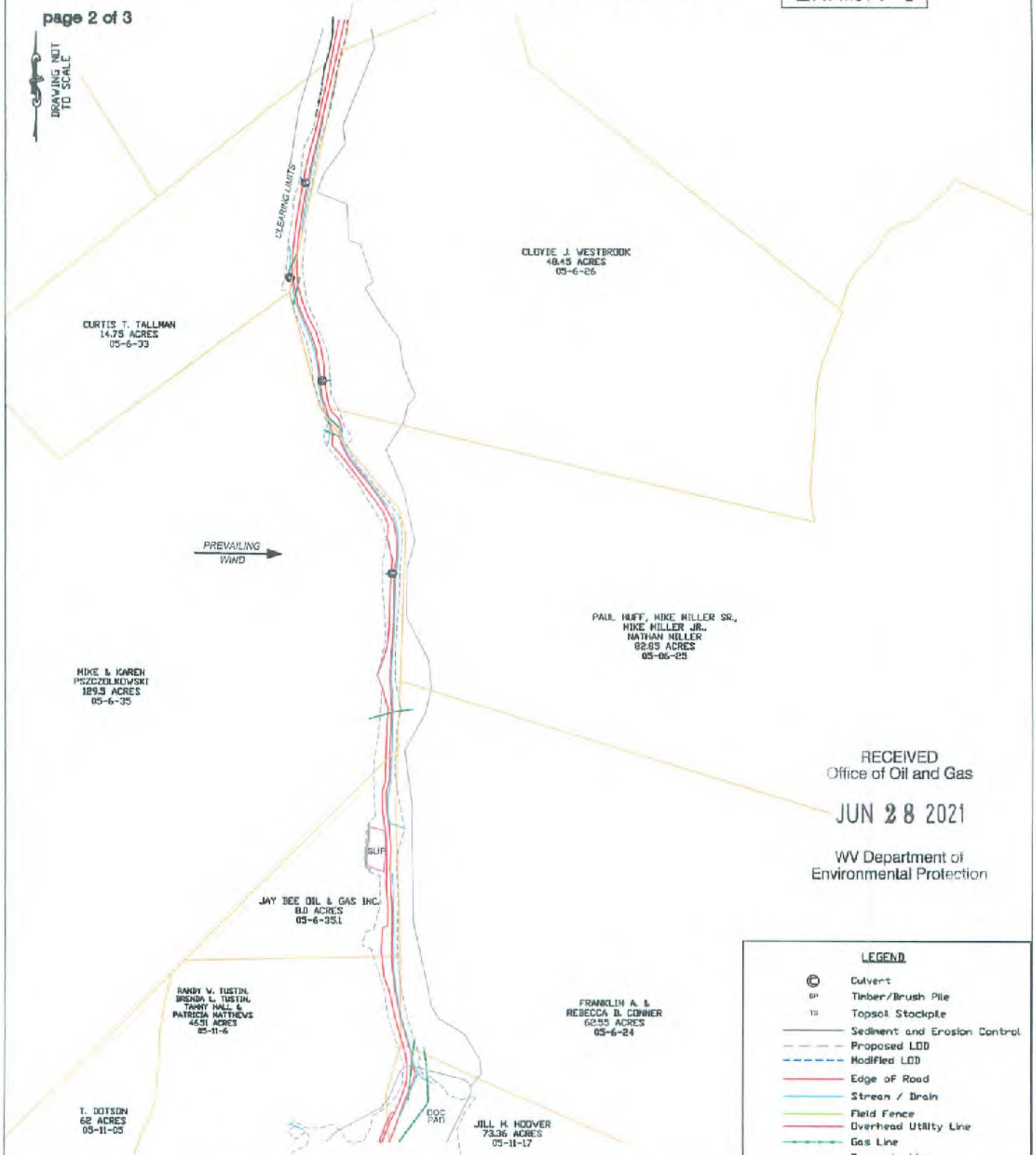
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PROPOSED GRUMPY 5B

Exhibit 1

page 2 of 3

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JUN 28 2021

WV Department of Environmental Protection

LEGEND

- Culvert
- Timber/Brush Pile
- Topsoil Stockpile
- Sediment and Erosion Control
- Proposed LOD
- Modified LOD
- Edge of Road
- Stream / Drain
- Field Fence
- Overhead Utility Line
- Gas Line
- Property Line

Jackson Surveying Inc.
2415E. Pike St. #112
Clarksburg, Wv 26301
Phone: 304-633-6801

TOPOG SECTION	
BENS RUN 75'	
COUNTY	DISTRICT
TYLER	MCELROY
DRAWN BY	PROJECT
J.D.C.	GRUMPY 5B

OPERATOR	
PREPARED FOR:	
JAYBEE OIL & GAS INC. 3540 SHIELDS HILL RD. CAIRO, WV 26331	
DATE	SCALE
06-18-2021	NONE

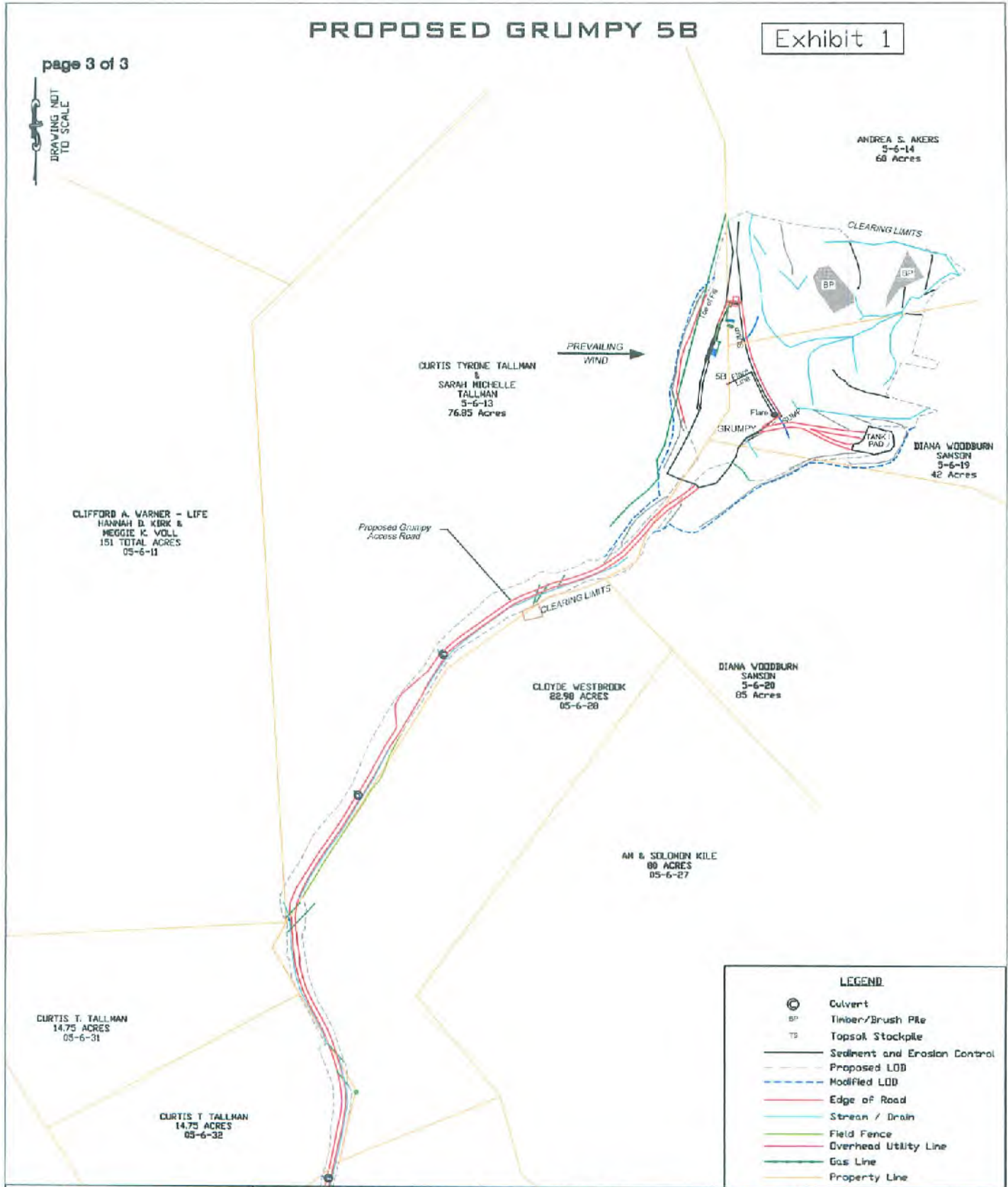
Jay Bee Oil & Gas
DRILLING
into the future

PROPOSED GRUMPY 5B

Exhibit 1

page 3 of 3

DRAWING NOT TO SCALE



LEGEND	
⊙	Culvert
BP	Timber/Brush Pile
TS	Topsoil Stockpile
—	Sediment and Erosion Control
---	Proposed LOD
---	Modified LOD
---	Edge of Road
---	Stream / Drain
---	Field Fence
---	Overhead Utility Line
---	Gas Line
---	Property Line

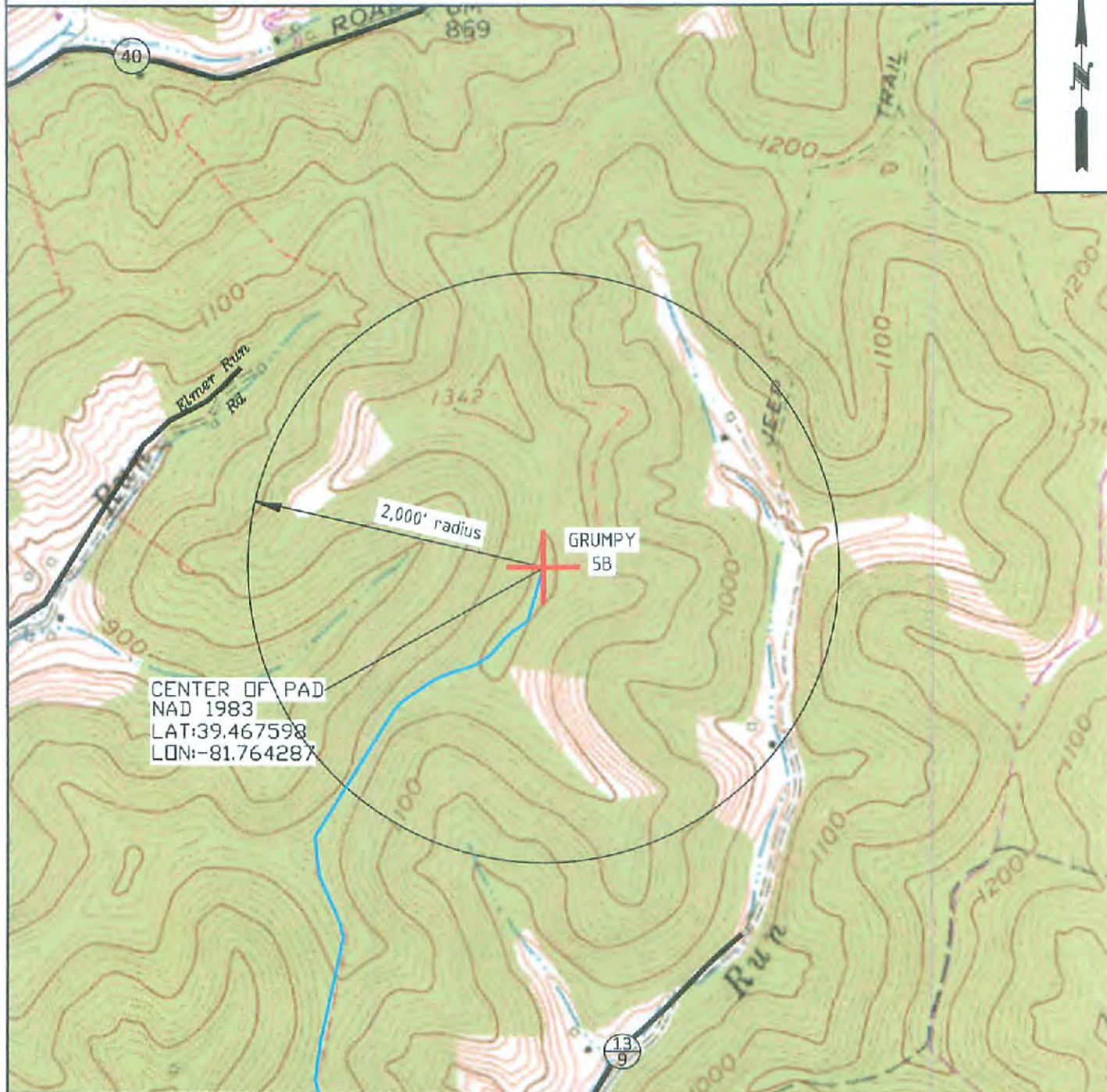
Jackson Surveying Inc.
 2415E. Pike St. N12
 Clarkburg, Wv 26301
 Phone: 304-823-5861


TOPD SECTION:		OPERATOR:	
BENS RUN 75'		PREPARED FOR:	
COUNTY	DISTRICT	JAYBEE OIL & GAS INC. 3519 SHIELDS HILL RD. CAIRO, WV 26337	
TYLER	MCELROY	DATE	SCALE
DRAWN BY	PROJ/EXT	05-18-2021	NONE
J.D.C.	GRUMPY 5B		

Jay Bee Oil & Gas
DRILLING RECEIVED future
 Office of Oil and Gas

JUN 28 2021
 WV Department of Environmental Protection

There appears to be Zero (0) residences within 1,500'.

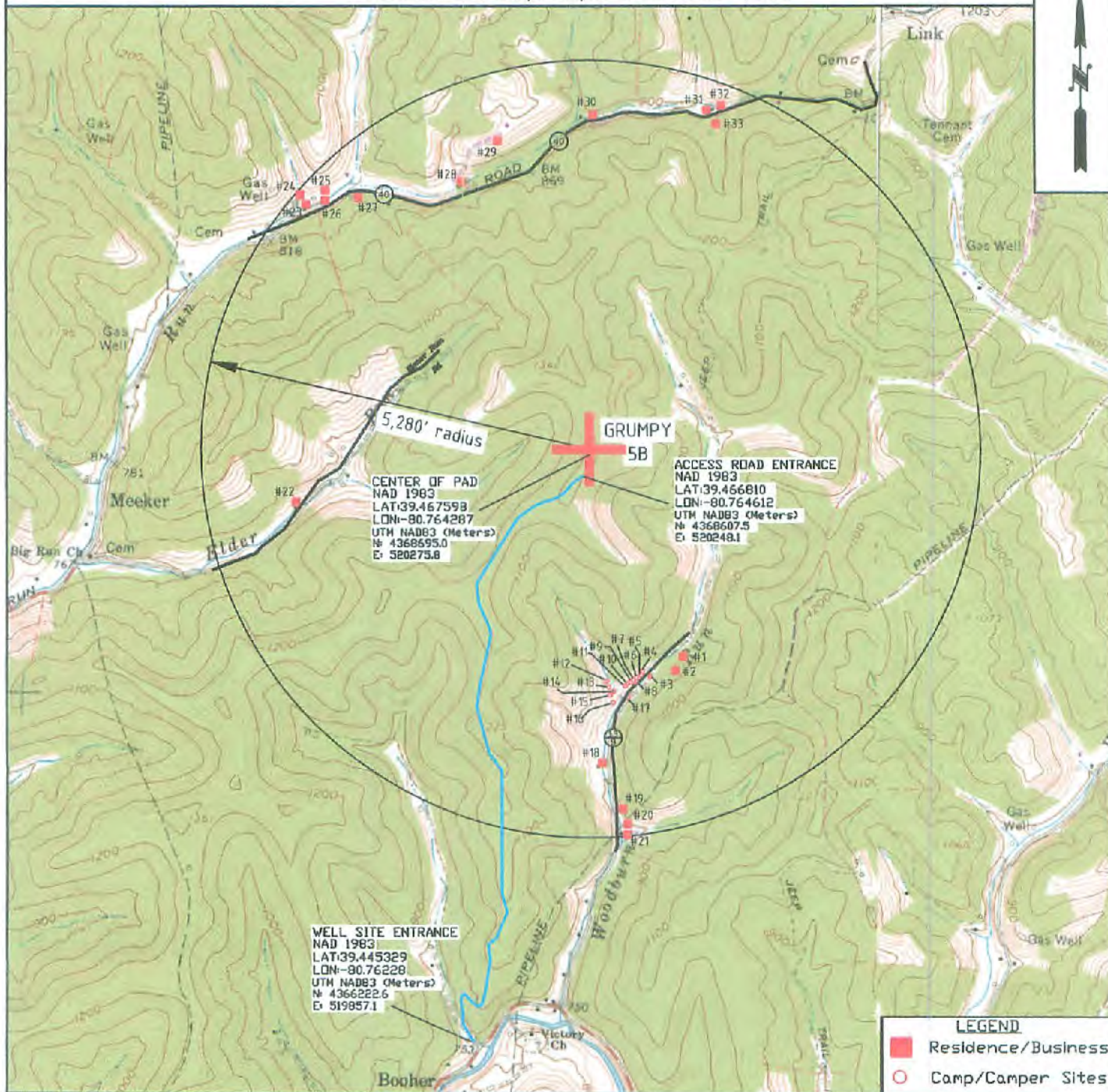


 <p>Jay Bee Oil & Gas DRILLING into the future</p>	OPERATOR	TOPO SECTION	WELL NAME
	JAYBEE OIL & GAS INC. 3570 Shields Hill Rd. Cairo, WV 26337	SHIRLEY 7.5'	GRUMPY 5B
		SCALE: 1" = 1000'	DATE: RECEIVED Office of Oil and Gas DATE: 06-08-2021 JUN 28 2021

PROPOSED GRUMPY 5B

EXHIBIT 2

There appears to be Seventeen (17) residences, One (1) business, & Fifteen (15) camp/camper sites within 5,280'.



OPERATOR
 JAYBEE OIL & GAS INC.
 3570 Shields Hill Rd.
 Cairo, WV 26337

TOPO SECTION
 SHIRLEY 7.5'

SCALE:
 1" = 2000'

WELL NAME RECEIVED
 GRUMPY 5B Office of Oil and Gas

DATE: JUN 28 2021

DATE: 06-08-2021
 WV Department of Environmental Protection

Exhibit 2A

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

RESIDENCES WITHIN 1 MILE OF GRUMPY 5B WELL PAD

Well: Grumpy 5B
District: McElroy
County: Tyler
State: WV

There appears to be Thirty-Three (33) 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 05-6-25. 2 Helen (Titus) Ayers % Helen & Robert Titus 1040 Woodburn Run Rd. Alma, WV 26320 304-758-4871	Topo Spot # 2 (House/Cabin) TM 05-6-25.3 Helen (Titus) Ayers % Helen & Robert Titus 1040 Woodburn Run Rd. Alma, WV 26320 304-758-4871	Topo Spot # 3 (Camp Sites/Camping Trailers) TM 05-6-27 AM & Solomon Kile, Estate % William A Kile 71 Alyssa Dr. Pickerington, OH 43147 614-833-0311
Topo Spot # 4 (Camp Sites/Camping Trailers) TM 05-6-27 AM & Solomon Kile, Estate % William A Kile 71 Alyssa Dr. Pickerington, OH 43147 614-833-0311	Topo Spot # 5 (Camp Sites/Camping Trailers) TM 05-6-27 AM & Solomon Kile, Estate % William A Kile 71 Alyssa Dr. Pickerington, OH 43147 614-833-0311	Topo Spot # 6 (Camp Sites/Camping Trailers) TM 05-6-27 AM & Solomon Kile, Estate % William A Kile 71 Alyssa Dr. Pickerington, OH 43147 614-833-0311
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<p>Topo Spot # 10 (Camp Sites/Camping Trailers) TM 05-6-27 AM & Solomon Kile, Estate % William A Kile 71 Alyssa Dr. Pickerington, OH 43147</p> <p>614-833-0311</p>	<p>Topo Spot # 11 (Camp Sites/Camping Trailers) TM 05-6-27 AM & Solomon Kile, Estate % William A Kile 71 Alyssa Dr. Pickerington, OH 43147</p> <p>614-833-0311</p>	<p>Topo Spot # 12 (Camp Sites/Camping Trailers) TM 05-6-27 AM & Solomon Kile, Estate % William A Kile 71 Alyssa Dr. Pickerington, OH 43147</p> <p>614-833-0311</p>
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Exhibit 2A

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

RESIDENCES WITHIN 2,000' OF GRUMPY 5B WELL PAD

Well: Grumpy 5B
District: McElroy
County: Tyler
State: WV

There appears to be Zero (0) residences within 2,000 feet of the center of well pad for the above referenced well location.

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Exhibit 2A

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

RESIDENCES WITHIN 1,500' OF GRUMPY 5B WELL PAD

Well: Grumpy 5B
District: McElroy
County: Tyler
State: WV

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WW-2B1

Well No. Grumpy 5B

West Virginia Department of Environmental Protection
Office of Oil and Gas

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NOTICE TO SURFACE OWNERS

JUN 28 2021

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:

<u> X </u>	Contractor Name	<u>Reliance Laboratories</u>
<u> X </u>	Well operator's private laboratory	
	Well Operator	<u>Jay-Bee Oil & Gas, Inc.</u>
	Address	<u>3570 Shields Hill Road</u>
		<u>Cairo, WV 26337</u>
	Telephone	<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.

4709502750

<u>Name</u>	<u>Address</u>
Diana Samson	8235 Holly Leaf Drive, Spring, TX 77379

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JUN 28 2021
WV Department of
Environmental Protection

WW-6A5
(1/12)

**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: 06/22/2021 **Date Permit Application Filed:** 06/22/2021

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

CERTIFIED MAIL HAND
RETURN RECEIPT REQUESTED 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: Diana Samson
Address: 8235 Holly Leaf Drive
Spring, TX 77379

Environmental Protection
WV Department of
JUN 28 2021
Office of Oil and Gas
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Name: _____
Address: _____

Notice is hereby given:

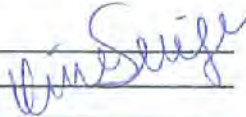
Pursuant to West Virginia Code § 22-6A-16(c), notice is hereby given that the undersigned well operator has developed a planned operation on the surface owner's land for the purpose of drilling a horizontal well on the tract of land as follows:

State:	<u>West Virginia</u>	UTM NAD 83 Easting:	<u>620,583.53</u>
County:	<u>Tyler</u>	Northing:	<u>4,288,706.42</u>
District:	<u>McElroy</u>	Public Road Access:	<u>Indian Creek</u>
Quadrangle:	<u>Shirley 7 5'</u>	Generally used farm name:	<u>Diana Samson</u>
Watershed:	<u>Outlet Middle Island Creek</u>		

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: kewger@jaybeeoil.com



Address: 3570 Shields Hill 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.

Exhibit 2A

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

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Exhibit 2A

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

RESIDENCES WITHIN 2,000' OF GRUMPY 5B WELL PAD

Well: Grumpy 5B
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County: Tyler
State: WV

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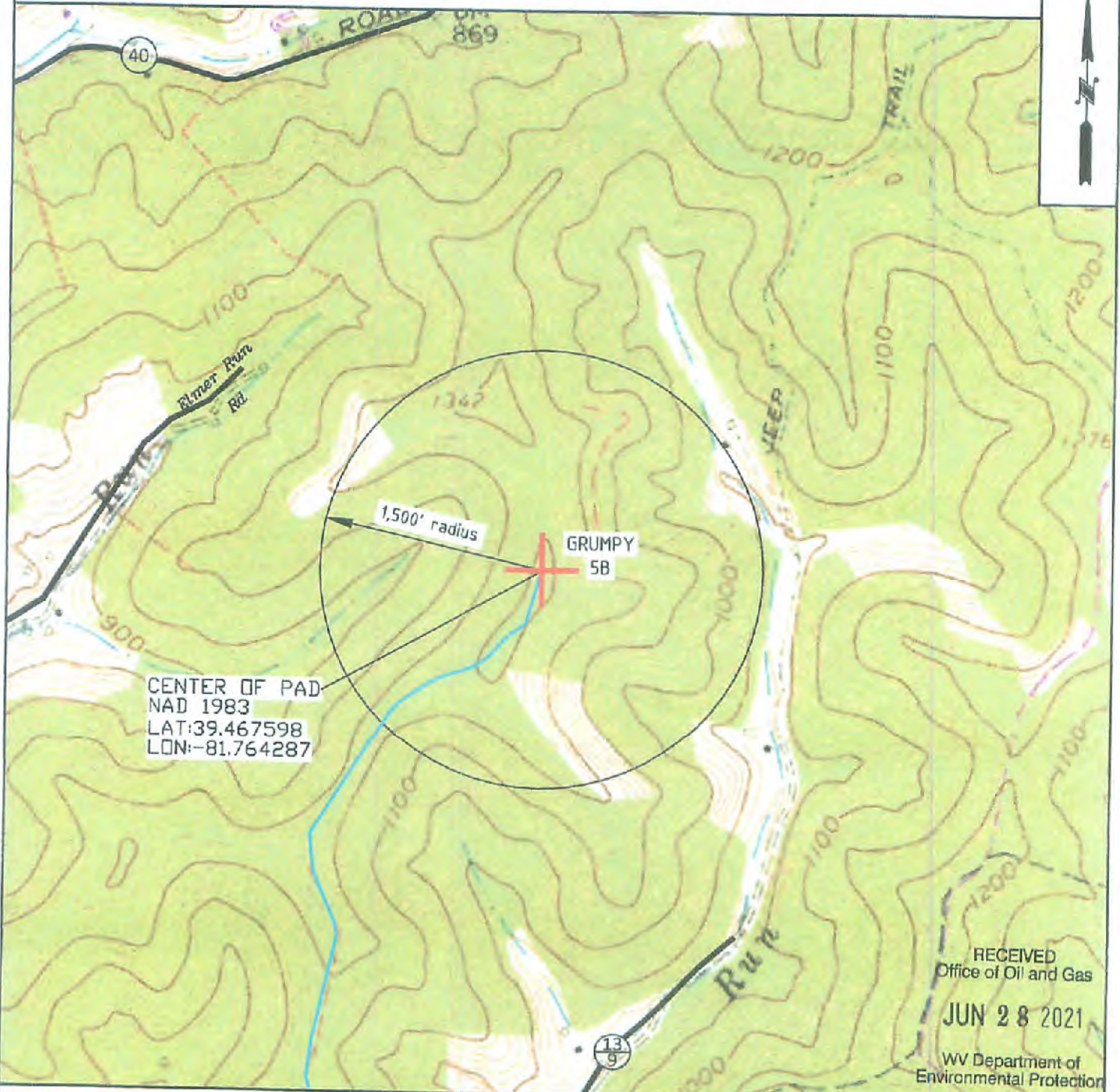
JUN 28 2021

WV Department of
Environmental Protection

PROPOSED GRUMPY 5B

EXHIBIT 3

There appears to be Zero (0) residences within 1,500'.



OPERATOR	TOPO SECTION	WELL NAME
JAYBEE OIL & GAS INC. 3570 Shields Hill Rd. Cairo, WV 26337	SHIRLEY 7.5'	GRUMPY 5B
	SCALE: 1" = 1000'	DATE: DATE: 06-08-2021



Jay Bee Oil & Gas, Inc.
3570 Shields Hill Road
Cairo, WV 26337

June 18, 2021

Permitting Office
Office of Oil and Gas
WV Department of Environmental Protection
601 57th Street SE
Charleston, WV 25304

Re: Frac Additives

To Whom It May Concern:

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)

Should you have any questions, please feel free to contact me.

Sincerely,

Kim Swiger
Permitting Agent

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4709502750

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/
Commissioner of Highways

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

June 22, 2021

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 Doc Pad, Tyler County
Grumpy 5B Well Site

Dear Mr. Martin,

This well site will be accessed from a DOH permit #06-2014-0113 which has been issued to Jay-Bee Oil & Gas, Inc. for access to the State Road for a well site located off Tyler County Route 13 SLS MP 4.47.

This operator is in compliance with §22-6A-20 of the WV Code. 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. This letter is valid for permitting purposes for one year from the date of this letter.

Very Truly Yours,

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

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

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Grumpy Well Pad As-Built Site Plan

McElroy District, Tyler County, WV
Prepared for JAY BEE OIL & GAS

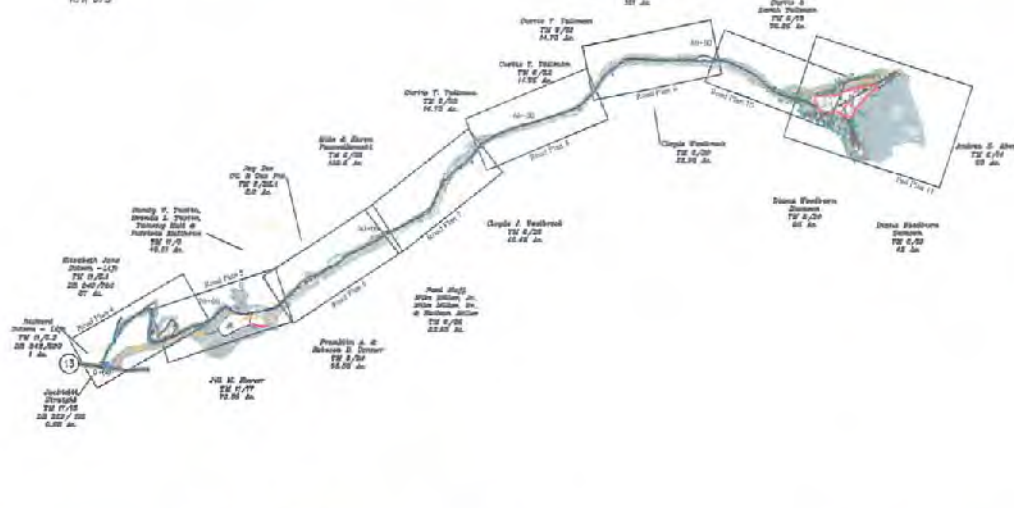
Date: December 18, 2017

**WVDEP OIG
ACCEPTED AS-BUILT**

JSC
7/29/2021



West Virginia
State Plane
NAD 83
North Zone
FIPS 5000



Sheet	Description
1	Cover
2	Details & Notes
3	Details & Notes
4	Road Plan & Profile
5	Road Plan & Profile
6	Road Plan & Profile
7	Road Plan & Profile
8	Road Plan & Profile
9	Road Plan & Profile
10	Pad Plan
11	Pad Sections
12	Pad Sections
13	Pad Sections
14	Reclamation Plan



Revisions:
04-15-2019 Revised per 8 on Sheet 2
04-11-2021 Modified LOD

WEST VIRGINIA 811
CALL BEFORE YOU DIG!
Dial 811 or 800.245.4848
www.WV211.com

CENTER GRUMPY PAD
(Sta. 0+00.0)
Geographic NAD 83:
Latitude: 39.467598
Longitude: -80.704287
UTM NAD 83 MTR:
North: 4368695.9
East: 520275.8
Pad Elev: 1299.2'

CENTER ROAD INT
(Sta. 0+00.0)
Geographic NAD 83:
Latitude: 39.445129
Longitude: -80.769228
UTM NAD 83 MTR:
North: 4366222.6
East: 519557.1

**GRID PAD DISBURSED AREAS
SUMMARY OF DISTURBANCES**

Acres	Depth	Total
Acres 33.84W	Depth=285.5q. Ft.	Total=602.7Ac.
1.00		
T.M. 12/1/12	Acres=2.225 Sq. Ft.	Total=6.27 Ac.
1.00		
T.M. 12/1/11	Acres=1.220 Sq. Ft.	Total=6.02 Ac.
1.00		
Dennis W. Taylor & Francis W. Thayer, M	Acres=218.025 Sq. Ft.	Total=20.26 Ac.
T.M. 12/1/12	Acres=371.407 Sq. Ft.	Total=8.72 Ac.
1.00		
Jay Bee	Acres=323.888 Sq. Ft.	Total=5.75 Ac.
T.M. 12/1/17	Acres=14.81 Ac.	Total=14.81 Ac.
1.00		
TOTAL DOC		PERMITTED LOD: 11.47 Acres

**GRID PAD DISTURBED AREAS
SUMMARY OF DISTURBANCES**

Jay Bee	Acres=652.5 Sq. Ft.	Total=6.08 Ac.
T.M. 12/1/17	Acres=4.225 Sq. Ft.	Total=0.21 Ac.
1.00		
James O. G. Co. Inc.	Acres=56.588 Sq. Ft.	Total=1.20 Ac.
T.M. 12/1/12	Acres=10.750 Sq. Ft.	Total=1.52 Ac.
1.00		
Paul H. & Susan M. Miller	Acres=5.026 Sq. Ft.	Total=0.12 Ac.
T.M. 12/1/12	Acres=21.225 Sq. Ft.	Total=0.78 Ac.
1.00		
Charles T. Tolson	Acres=58.550 Sq. Ft.	Total=1.33 Ac.
T.M. 12/1/12	Acres=31.625 Sq. Ft.	Total=0.76 Ac.
1.00		
Charles W. Taylor	Acres=285.5 Sq. Ft.	Total=6.02 Ac.
T.M. 12/1/12	Acres=1.740 Sq. Ft.	Total=0.28 Ac.
1.00		
Charles W. Taylor	Acres=220.888 Sq. Ft.	Total=6.42 Ac.
T.M. 12/1/12	Acres=278.75 Sq. Ft.	Total=8.72 Ac.
1.00		
James W. Taylor & Francis W. Thayer, M	Acres=371.407 Sq. Ft.	Total=8.72 Ac.
T.M. 12/1/12	Acres=203.888 Sq. Ft.	Total=5.75 Ac.
1.00		
Acres=14.81 Ac.		
TOTAL GRUMPY		PERMITTED LOD: 24.87 Acres
TOTAL GRUMPY		PERMITTED LOD: 2.58 Acres

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 drilling pad and road.
06-11-2021
Date: *JSC*
Joshua R. Cook RPE 17950:



North Central Engineering, LLC
Joshua Cook, RPE
P.O. Box 618
Abingdon, WV 26020
Cell: 301-509-1689
E-Mail: jacob@NorthCentralEngineering.com

Jackson Surveying Inc.
COVER
SHEET 1
GRUMPY WELL PAD
AS-BUILT

- LEGEND -

- Existing Features
- Proposed Features
- Edge of Way
- LOD (Permit)
- LOD (Notified)
- Property Line
- Crest
- Ditch/Drain
- Existing Fence
- Contours
- Overlaid Utilities



West Virginia
State Plane
NAD 83
North Zone
NTE C/S

GRUMPY PAD

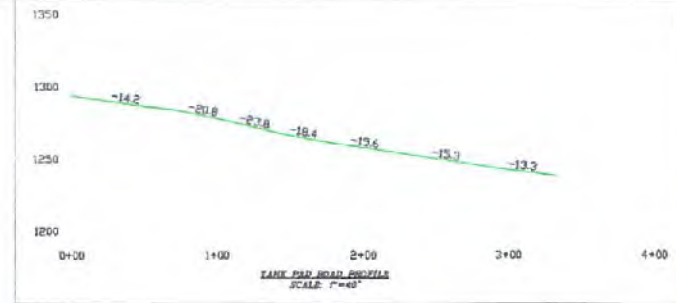
Production Tank Locations (UTM)		
	Northing	Easting
01	4,384,055.775	523,203.333
02	4,384,048.290	523,204.000
03	4,384,055.985	523,202.667
04	4,384,045.411	523,205.000

**WVDEP OOG
ACCEPTED AS-BUILT**

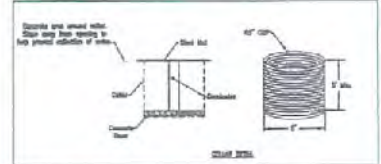
[Signature]
7/29/2021

CENTER GRUMPY PAD
Geographic NAD 83:
Latitude: 39.467598
Longitude: -80.764287
UTM NAD 83 MTR:
North: 4315895.0
East: 526275.6
Pad Elev: 1299.2'

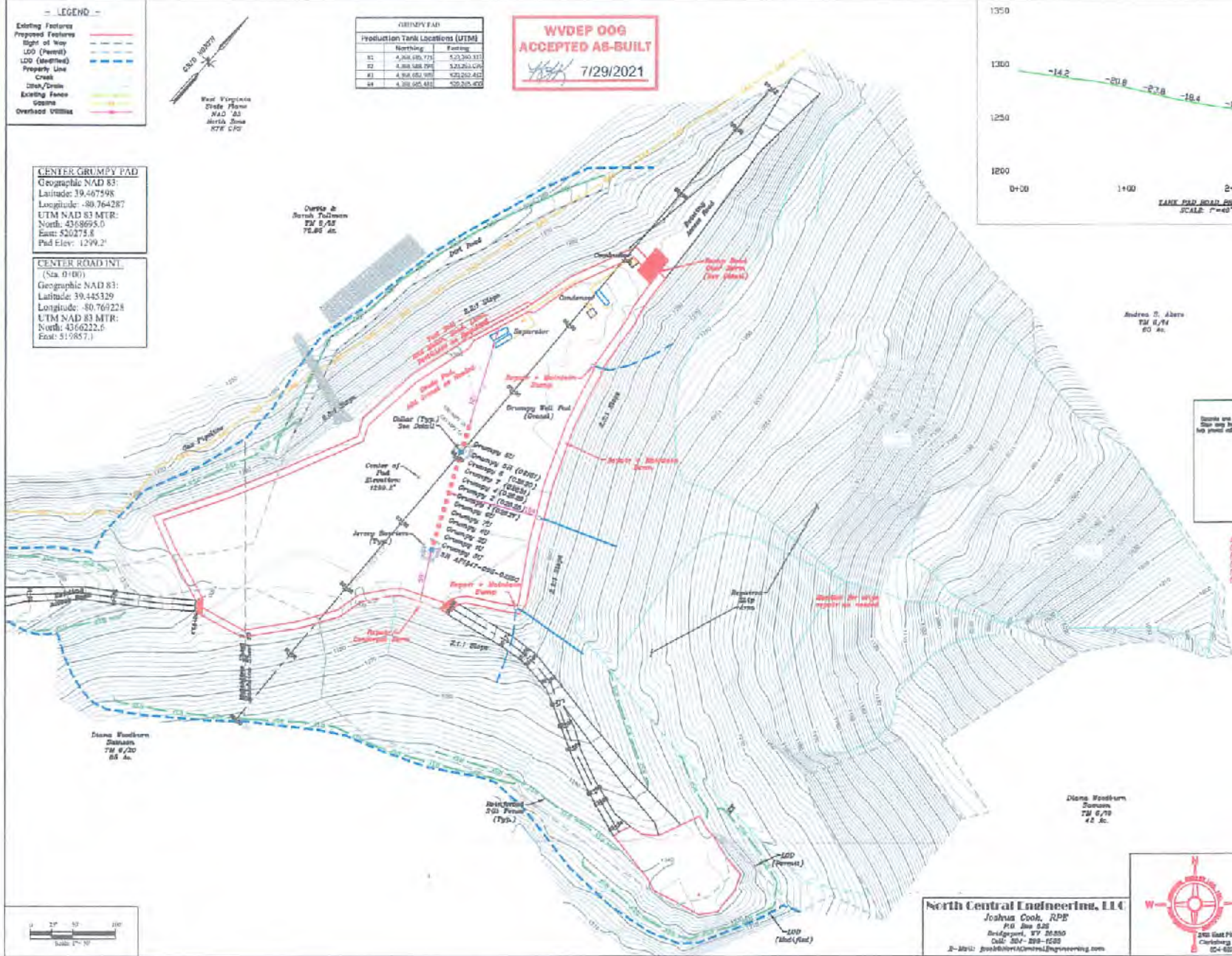
CENTER ROAD INT.
(Sta. 0+00)
Geographic NAD 83:
Latitude: 39.445329
Longitude: -80.761224
UTM NAD 83 MTR:
North: 4316222.6
East: 519857.1



Andrea G. Abate
TM 6/14
60 Ac.



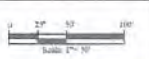
- Notes:**
- (1) Protect all surface water runoff from utility areas.
 - (2) Reinforce/bedding 24" below top soil.
 - (3) Install standard energy pipe discharge to grass areas.
 - (4) Support/reinforce slope when noted.
 - (5) Site RFP drawings of all discharges unless noted.



Charles B. Baruch Tolson
TM 6/18
75.86 Ac.

Diana Woodburn
Tolson
TM 6/20
85 Ac.

Diana Woodburn
Tolson
TM 6/19
42 Ac.



North Central Engineering, LLC
Joshua Cook, RPE
P.O. Box 526
Bridgewater, VT 05208
Cell: 802-289-1500
Fax: 802-289-1500
E-Mail: jcook@nce-engineering.com



Jackson Surveying Inc.

PAD PLAN
SHEET 11
GRUMPY WELL PAD
AS-BUILT